

Register Name	Description	Register Type	R/W	Default	Modbus Address
Device information					
machine_id_1	Machine ID, set by Chronos. 1 char per register	char	RO	E	40001
machine_id_2	Machine ID, set by Chronos. 1 char per register	char	RO	M	40002
machine_id_3	Machine ID, set by Chronos. 1 char per register	char	RO	T	40003
machine_id_4	Machine ID, set by Chronos. 1 char per register	char	RO	4	40004
machine_id_5	Machine ID, set by Chronos. 1 char per register	char	RO	3	40005
machine_id_6	Machine ID, set by Chronos. 1 char per register	char	RO	0	40006
machine_id_7	Machine ID, set by Chronos. 1 char per register	char	RO	0	40007
machine_id_8	Machine ID, set by Chronos. 1 char per register	char	RO	0	40008
hw_version	Hardware version, set by Chronos.	unsigned short	RO	1	40009
fw_version	Firmware version, set by Chronos.	unsigned short	RO	1	40010
mounted_version	0 -> 5A 1 -> Rogowski, 333 mV	unsigned short	RO	0	40011
year_month	calibration year and month	unsigned short	RO	2510	40012
day_Hour	calibration day and hour	unsigned short	RO	610	40013
minute_second	calibration minute and second	unsigned short	RO	835	40014
feature_version	0 -> Base version 1 -> Full version	unsigned short		0	40015
Mac_address_Wifi_STA_1	Mac address Wifi Station MSB	unsigned short	RO	11	40016
Mac_address_Wifi_STA_2	Mac address Wifi Station	unsigned short	RO	22	40017
Mac_address_Wifi_STA_3	Mac address Wifi Station	unsigned short	RO	33	40018
Mac_address_Wifi_STA_4	Mac address Wifi Station	unsigned short	RO	44	40019
Mac_address_Wifi_STA_5	Mac address Wifi Station	unsigned short	RO	55	40020
Mac_address_Wifi_STA_6	Mac address Wifi Station LSB	unsigned short	RO	66	40021
Mac_address_Wifi_SOFT_AP_1	Mac address Wifi software enabled access point MSB	unsigned short	RO	11	40022
Mac_address_Wifi_SOFT_AP_2	Mac address Wifi software enabled access point	unsigned short	RO	22	40023
Mac_address_Wifi_SOFT_AP_3	Mac address Wifi software enabled access point	unsigned short	RO	33	40024
Mac_address_Wifi_SOFT_AP_4	Mac address Wifi software enabled access point	unsigned short	RO	44	40025
Mac_address_Wifi_SOFT_AP_5	Mac address Wifi software enabled access point	unsigned short	RO	55	40026
Mac_address_Wifi_SOFT_AP_6	Mac address Wifi software enabled access point LSB	unsigned short	RO	66	40027
Mac_address_Ethernet_1	Mac address Ethernet MSB	unsigned short	RO	31	40028
Mac_address_Ethernet_2	Mac address Ethernet	unsigned short	RO	32	40029
Mac_address_Ethernet_3	Mac address Ethernet	unsigned short	RO	33	40030
Mac_address_Ethernet_4	Mac address Ethernet	unsigned short	RO	34	40031
Mac_address_Ethernet_5	Mac address Ethernet	unsigned short	RO	35	40032
Mac_address_Ethernet_6	Mac address Ethernet LSB	unsigned short	RO	36	40033
Mac_address_Bluetooth_1	Mac address Bluetooth MSB	unsigned short	RO	96	40034
Mac_address_Bluetooth_2	Mac address Bluetooth	unsigned short	RO	95	40035
Mac_address_Bluetooth_3	Mac address Bluetooth	unsigned short	RO	94	40036
Mac_address_Bluetooth_4	Mac address Bluetooth	unsigned short	RO	93	40037
Mac_address_Bluetooth_5	Mac address Bluetooth	unsigned short	RO	92	40038
Mac_address_Bluetooth_6	Mac address Bluetooth LSB	unsigned short	RO	91	40039
Device settings					
modbus_RTU_address	Modbus address	unsigned short	R/W	1	40227
modbus_RTU_delay	Delay Modbus answer (in ms)	unsigned short	R/W	0	40228
modbus_RTU_baudrate	Baudrate 0 -> 1200 1 -> 2400 2 -> 4800 3 -> 9600 4 -> 19200 5 -> 38400 6 -> 57600 7 -> 115200	unsigned short	R/W	3	40229
modbus_RTU_parity	0 -> NONE 1 -> EVEN	unsigned short	R/W	0	40230
modbus_RTU_Stop_bit	0 -> 1 Bit 1 -> 1.5 Bit 2 -> 2 Bit	unsigned short	R/W	0	40231
Measurement_Configuration_Register	Bit 0: Don't care Bit 1: 2: Connection 0 -> Single phase 1 -> Three phase: 3 wires, 2 TA (Aron) 2 -> Three phase: 3 wires, 3 TA 3 -> Three phase: 4 wires, 3 TA (with neutral) Bit 3: FFT representation 0 -> Absolute 1 -> Relative to the L ₁ value Bit 4: HPF filter 0 -> Enabled 1 -> Disabled Bit 5: Reactive power calculation method 0 -> Triangle method 1 -> Budefanu Bit 6: Digital output behaviour 0 -> Alarm 1 -> Pulsed output for kWh Bit 7: Frequency detection Channel 0 -> Voltage 1 -> Current Bit 9: Energy saving 0 -> Disabled 1 -> Enabled Bit 10, 11: Output switch condition 0 -> Normally Opened condition 1 -> Normally Closed condition 2 -> Within Threshold 3 -> Outside Threshold Bit 13: Integrator condition 0 -> Integrator disabled 1 -> Integrator enabled (Rogowski input) Bit 15: Filtered measurement 0 -> Filtering disabled 1 -> Filtering enabled	unsigned short	R/W	518	40232
Machine_Configuration_Register	Bit 0: Not Used 0 -> Disabled 1 -> Enabled Bit 1: Buzzer in touch pad 0 -> Disabled 1 -> Enabled Bit 2: Buzzer during alarm condition 0 -> Disabled 1 -> Enabled Bit 3: Wifi STA 0 -> Disabled 1 -> Enabled Bit 4: Wifi AP 0 -> Disabled 1 -> Enabled	unsigned short	R/W	1	40233
TA_Chronos_register	0 -> Let user choose what Ratio and delay to choose 1 -> Assigned to Chronos 100/5 2 -> Assigned to ...	unsigned short	R/W	0	40234
TA_Transducer_ratio	If Input 1A/5A, 20mA/100 mA -> Current transformer ratio M/N - Default 1.0 (Ex: 600:5 -> transducer_ratio = 120) If Input Rogowski -> Sensitivity [V/A]	float	R/W	1	40235
TA_Transducer_delay	Current transformer delay in [°] @ 50 Hz for accurate power calculation	float	R/W	0	40237
TV_Transducer_ratio	Voltage transformer ratio M/N - Default 1.0 (Ex: 1000:100 -> transducer_ratio = 10)	float	R/W	1	40239
TV_Transducer_delay	Voltage transformer delay in [°] @ 50 Hz for accurate power calculation	float	R/W	0	40241
minimum_voltage_ripple	Minimum threshold under which the instrument reads 0 independent from the input value	float	R/W	0	40243
minimum_current_ripple	Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S)	float	R/W	0	40245
minimum_power_ripple	Minimum threshold under which the instrument reads 0 independent from the input value (P, Q, and S)	float	R/W	0	40247
DC_Filter	Update rate when no Zero crossing is detected [tenh of second]; lower => faster; higher => more accurate	unsigned short	R/W	10	40249
AC_Filter	Update rate when Zero crossing is detected [number of periods]; lower => faster; higher => more accurate	unsigned short	R/W	50	40250
minute_for_Max_and_AVG_demand	Minute for Max demand and Average power calculation (0..45)	unsigned short	R/W	0	40251
seconds_for_mean_RMS	Register in seconds (0..60) for RMS average	unsigned short	R/W	0	40253
seconds_for_MAX_RMS	Seconds 1..60 for MAX RMS value. If the register is 0, then the absolute MAX RMS is given	unsigned short	R/W	0	40254
seconds_for_min_RMS	Seconds 1..60 for min RMS value. If the register is 0, then the absolute min RMS is given	unsigned short	R/W	0	40255

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Register Name	Description	Register Type	R/W	Default	Modbus Address
Energy_unit_factor	Variable for changing Energy measurement unit: 0 -> [Wh/10] 1 -> [Wh] ~ 4 -> [KWh] 7 -> [MWh] 10 -> [GWh]	unsigned short	R/W	0	40256
Voltage_unbalance_setpoint	Setpoint for Voltage Unbalance Alarm	float	R/W	0	40259
Alarm_Register_start_address	DIGITAL OUTPUT 1: Modbus address address for alarm (starting from the modbus address of V_L1 N_V_L2 N_V_L3 N_ecc)	unsigned short	R/W	40833	40271
Alarm_delay	DIGITAL OUTPUT 1: Delay in ms for Alarm trigger	unsigned short	R/W	0	40272
Alarm_trip_value	DIGITAL OUTPUT 1: Alarm Threshold for "closed" and "open" condition OR first alarm Threshold for "within threshold" and "Outside threshold"	float	R/W	0	40273
Alarm_hysteresis	DIGITAL OUTPUT 1: Alarm Hysteresis	float	R/W	0	40275
Alarm_trip_value_2	DIGITAL OUTPUT 1: Second alarm Threshold for "within threshold" and "Outside threshold" condition	float	R/W	0	40277
Nominal_Star_Voltage	Nominal Star Voltage for Sag, Swell, Interruption monitoring [V]	float	R/W	230	40281
Sag_percentage_level	Percentage over Nominal_Star_Voltage under which a Sag event is generated (default 0.9 = 90 %); must be over Interruption_percentage_level	float	R/W	0.9	40283
Swell_percentage_level	Percentage over Nominal_Star_Voltage over which a Swell event is generated (default 1.1 = 110 %)	float	R/W	1.1	40285
Interruption_percentage_level	Percentage over Nominal_Star_Voltage under which an Interruption event is generated (default 0.1 = 10 %)	float	R/W	0.1	40287
Minimum_duration_cutoff	Sag, Swell or Interruption events must be above this cutoff to be displayed and saved [ms]	unsigned short	R/W	0	40291
Modbus_TCP_port	Porta server modbus TCP	unsigned short	R/W	502	40292
Wifi_STA_SSID_target_0	Wi-Fi STA Access point SSID 0	char	R/W	F	40293
Wifi_STA_SSID_target_1	Wi-Fi STA Access point SSID 1	char	R/W	R	40294
Wifi_STA_SSID_target_2	Wi-Fi STA Access point SSID 2	char	R/W	I	40295
Wifi_STA_SSID_target_3	Wi-Fi STA Access point SSID 3	char	R/W	T	40296
Wifi_STA_SSID_target_4	Wi-Fi STA Access point SSID 4	char	R/W	Z	40297
Wifi_STA_SSID_target_5	Wi-Fi STA Access point SSID 5	char	R/W	I	40298
Wifi_STA_SSID_target_6	Wi-Fi STA Access point SSID 6	char	R/W	B	40299
Wifi_STA_SSID_target_7	Wi-Fi STA Access point SSID 7	char	R/W	o	40300
Wifi_STA_SSID_target_8	Wi-Fi STA Access point SSID 8	char	R/W	x	40301
Wifi_STA_SSID_target_9	Wi-Fi STA Access point SSID 9	char	R/W	0	40302
Wifi_STA_SSID_target_10	Wi-Fi STA Access point SSID 10	char	R/W	7	40303
Wifi_STA_SSID_target_11	Wi-Fi STA Access point SSID 11	char	R/W	5	40304
Wifi_STA_SSID_target_12	Wi-Fi STA Access point SSID 12	char	R/W	3	40305
Wifi_STA_SSID_target_13	Wi-Fi STA Access point SSID 13	char	R/W	0	40306
Wifi_STA_SSID_target_14	Wi-Fi STA Access point SSID 14	char	R/W	F	40307
Wifi_STA_SSID_target_15	Wi-Fi STA Access point SSID 15	char	R/W	P	40308
Wifi_STA_SSID_target_16	Wi-Fi STA Access point SSID 16	char	R/W	U	40309
Wifi_STA_SSID_target_17	Wi-Fi STA Access point SSID 17	char	R/W	0	40310
Wifi_STA_SSID_target_18	Wi-Fi STA Access point SSID 18	char	R/W	0	40311
Wifi_STA_SSID_target_19	Wi-Fi STA Access point SSID 19	char	R/W	0	40312
Wifi_STA_SSID_target_20	Wi-Fi STA Access point SSID 20	char	R/W	0	40313
Wifi_STA_SSID_target_21	Wi-Fi STA Access point SSID 21	char	R/W	0	40314
Wifi_STA_SSID_target_22	Wi-Fi STA Access point SSID 22	char	R/W	0	40315
Wifi_STA_SSID_target_23	Wi-Fi STA Access point SSID 23	char	R/W	0	40316
Wifi_STA_SSID_target_24	Wi-Fi STA Access point SSID 24	char	R/W	0	40317
Wifi_STA_SSID_target_25	Wi-Fi STA Access point SSID 25	char	R/W	0	40318
Wifi_STA_SSID_target_26	Wi-Fi STA Access point SSID 26	char	R/W	0	40319
Wifi_STA_SSID_target_27	Wi-Fi STA Access point SSID 27	char	R/W	0	40320
Wifi_STA_SSID_target_28	Wi-Fi STA Access point SSID 28	char	R/W	0	40321
Wifi_STA_SSID_target_29	Wi-Fi STA Access point SSID 29	char	R/W	0	40322
Wifi_STA_SSID_target_30	Wi-Fi STA Access point SSID 30	char	R/W	0	40323
Wifi_STA_SSID_target_31	Wi-Fi STA Access point SSID 31	char	R/W	0	40324
Wifi_STA_PASSWORD_target_0	Wi-Fi STA Access point Password 0	char	WO	3	40325
Wifi_STA_PASSWORD_target_1	Wi-Fi STA Access point Password 1	char	WO	4	40326
Wifi_STA_PASSWORD_target_2	Wi-Fi STA Access point Password 2	char	WO	7	40327
Wifi_STA_PASSWORD_target_3	Wi-Fi STA Access point Password 3	char	WO	7	40328
Wifi_STA_PASSWORD_target_4	Wi-Fi STA Access point Password 4	char	WO	1	40329
Wifi_STA_PASSWORD_target_5	Wi-Fi STA Access point Password 5	char	WO	2	40330
Wifi_STA_PASSWORD_target_6	Wi-Fi STA Access point Password 6	char	WO	1	40331
Wifi_STA_PASSWORD_target_7	Wi-Fi STA Access point Password 7	char	WO	9	40332
Wifi_STA_PASSWORD_target_8	Wi-Fi STA Access point Password 8	char	WO	3	40333
Wifi_STA_PASSWORD_target_9	Wi-Fi STA Access point Password 9	char	WO	0	40334
Wifi_STA_PASSWORD_target_10	Wi-Fi STA Access point Password 10	char	WO	6	40335
Wifi_STA_PASSWORD_target_11	Wi-Fi STA Access point Password 11	char	WO	5	40336
Wifi_STA_PASSWORD_target_12	Wi-Fi STA Access point Password 12	char	WO	6	40337
Wifi_STA_PASSWORD_target_13	Wi-Fi STA Access point Password 13	char	WO	4	40338
Wifi_STA_PASSWORD_target_14	Wi-Fi STA Access point Password 14	char	WO	7	40339
Wifi_STA_PASSWORD_target_15	Wi-Fi STA Access point Password 15	char	WO	7	40340
Wifi_STA_PASSWORD_target_16	Wi-Fi STA Access point Password 16	char	WO	6	40341
Wifi_STA_PASSWORD_target_17	Wi-Fi STA Access point Password 17	char	WO	0	40342
Wifi_STA_PASSWORD_target_18	Wi-Fi STA Access point Password 18	char	WO	0	40343
Wifi_STA_PASSWORD_target_19	Wi-Fi STA Access point Password 19	char	WO	3	40344
Wifi_STA_PASSWORD_target_20	Wi-Fi STA Access point Password 20	char	WO	0	40345
Wifi_STA_PASSWORD_target_21	Wi-Fi STA Access point Password 21	char	WO	0	40346
Wifi_STA_PASSWORD_target_22	Wi-Fi STA Access point Password 22	char	WO	0	40347
Wifi_STA_PASSWORD_target_23	Wi-Fi STA Access point Password 23	char	WO	0	40348
Wifi_STA_PASSWORD_target_24	Wi-Fi STA Access point Password 24	char	WO	0	40349
Wifi_STA_PASSWORD_target_25	Wi-Fi STA Access point Password 25	char	WO	0	40350
Wifi_STA_PASSWORD_target_26	Wi-Fi STA Access point Password 26	char	WO	0	40351
Wifi_STA_PASSWORD_target_27	Wi-Fi STA Access point Password 27	char	WO	0	40352
Wifi_STA_PASSWORD_target_28	Wi-Fi STA Access point Password 28	char	WO	0	40353
Wifi_STA_PASSWORD_target_29	Wi-Fi STA Access point Password 29	char	WO	0	40354
Wifi_STA_PASSWORD_target_30	Wi-Fi STA Access point Password 30	char	WO	0	40355
Wifi_STA_PASSWORD_target_31	Wi-Fi STA Access point Password 31	char	WO	0	40356
Wifi_STA_HOSTNAME_0	Wi-Fi STA HOSTNAME set 0	char	R/W	E	40357
Wifi_STA_HOSTNAME_1	Wi-Fi STA HOSTNAME set 1	char	R/W	M	40358
Wifi_STA_HOSTNAME_2	Wi-Fi STA HOSTNAME set 2	char	R/W	T	40359
Wifi_STA_HOSTNAME_3	Wi-Fi STA HOSTNAME set 3	char	R/W	4	40360
Wifi_STA_HOSTNAME_4	Wi-Fi STA HOSTNAME set 4	char	R/W	3	40361
Wifi_STA_HOSTNAME_5	Wi-Fi STA HOSTNAME set 5	char	R/W	0	40362
Wifi_STA_HOSTNAME_6	Wi-Fi STA HOSTNAME set 6	char	R/W	0	40363
Wifi_STA_HOSTNAME_7	Wi-Fi STA HOSTNAME set 7	char	R/W	W	40364
Wifi_STA_HOSTNAME_8	Wi-Fi STA HOSTNAME set 8	char	R/W	I	40365
Wifi_STA_HOSTNAME_9	Wi-Fi STA HOSTNAME set 9	char	R/W	F	40366
Wifi_STA_HOSTNAME_10	Wi-Fi STA HOSTNAME set 10	char	R/W	I	40367
Wifi_STA_HOSTNAME_11	Wi-Fi STA HOSTNAME set 11	char	R/W	0	40368
Wifi_STA_HOSTNAME_12	Wi-Fi STA HOSTNAME set 12	char	R/W	S	40369
Wifi_STA_HOSTNAME_13	Wi-Fi STA HOSTNAME set 13	char	R/W	T	40370
Wifi_STA_HOSTNAME_14	Wi-Fi STA HOSTNAME set 14	char	R/W	A	40371
Wifi_STA_HOSTNAME_15	Wi-Fi STA HOSTNAME set 15	char	R/W	0	40372
Wifi_STA_HOSTNAME_16	Wi-Fi STA HOSTNAME set 16	char	R/W	0	40373
Wifi_STA_HOSTNAME_17	Wi-Fi STA HOSTNAME set 17	char	R/W	0	40374
Wifi_STA_HOSTNAME_18	Wi-Fi STA HOSTNAME set 18	char	R/W	0	40375
Wifi_STA_HOSTNAME_19	Wi-Fi STA HOSTNAME set 19	char	R/W	0	40376
Wifi_STA_HOSTNAME_20	Wi-Fi STA HOSTNAME set 20	char	R/W	0	40377
Wifi_STA_HOSTNAME_21	Wi-Fi STA HOSTNAME set 21	char	R/W	0	40378
Wifi_STA_HOSTNAME_22	Wi-Fi STA HOSTNAME set 22	char	R/W	0	40379
Wifi_STA_HOSTNAME_23	Wi-Fi STA HOSTNAME set 23	char	R/W	0	40380
Wifi_STA_HOSTNAME_24	Wi-Fi STA HOSTNAME set 24	char	R/W	0	40381
Wifi_STA_HOSTNAME_25	Wi-Fi STA HOSTNAME set 25	char	R/W	0	40382
Wifi_STA_HOSTNAME_26	Wi-Fi STA HOSTNAME set 26	char	R/W	0	40383
Wifi_STA_HOSTNAME_27	Wi-Fi STA HOSTNAME set 27	char	R/W	0	40384
Wifi_STA_HOSTNAME_28	Wi-Fi STA HOSTNAME set 28	char	R/W	0	40385
Wifi_STA_HOSTNAME_29	Wi-Fi STA HOSTNAME set 29	char	R/W	0	40386
Wifi_STA_HOSTNAME_30	Wi-Fi STA HOSTNAME set 30	char	R/W	0	40387
Wifi_STA_HOSTNAME_31	Wi-Fi STA HOSTNAME set 31	char	R/W	0	40388
Wifi_STA_IP_0	Wi-Fi STA IP static (DHCP off) 0	unsigned short	R/W	192	40389
Wifi_STA_IP_1	Wi-Fi STA IP static (DHCP off) 1	unsigned short	R/W	168	40390
Wifi_STA_IP_2	Wi-Fi STA IP static (DHCP off) 2	unsigned short	R/W	178	40391
Wifi_STA_IP_3	Wi-Fi STA IP static (DHCP off) 3	unsigned short	R/W	200	40392
Wifi_STA_Netmask_0	Wi-Fi STA NETMASK static (DHCP off) 0	unsigned short	R/W	255	40393
Wifi_STA_Netmask_1	Wi-Fi STA NETMASK static (DHCP off) 1	unsigned short	R/W	255	40394
Wifi_STA_Netmask_2	Wi-Fi STA NETMASK static (DHCP off) 2	unsigned short	R/W	255	40395
Wifi_STA_Netmask_3	Wi-Fi STA NETMASK static (DHCP off) 3	unsigned short	R/W	0	40396
Wifi_STA_Gateway_0	Wi-Fi STA GATEWAY static (DHCP off) 0	unsigned short	R/W	192	40397
Wifi_STA_Gateway_1	Wi-Fi STA GATEWAY static (DHCP off) 1	unsigned short	R/W	168	40398
Wifi_STA_Gateway_2	Wi-Fi STA GATEWAY static (DHCP off) 2	unsigned short	R/W	178	40399
Wifi_STA_Gateway_3	Wi-Fi STA GATEWAY static (DHCP off) 3	unsigned short	R/W	200	40400
Wifi_STA_IP_assigned_by_dhcp_0	Wi-Fi STA IP SET (DHCP on) 0	unsigned short	R/W	0	40401

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- R/W: Read and write



Register Name	Description	Register Type	R/W	Default	Modbus Address
Wifi STA IP assigned by dhcp 1	WIFI STA IP SET (DHCP on) 1	unsigned short	R/W	0	40402
Wifi STA IP assigned by dhcp 2	WIFI STA IP SET (DHCP on) 2	unsigned short	R/W	0	40403
Wifi STA IP assigned by dhcp 3	WIFI STA IP SET (DHCP on) 3	unsigned short	R/W	0	40404
Wifi STA Netmask assigned by dhcp 0	WIFI STA NETMASK SET (DHCP on) 0	unsigned short	R/W	0	40405
Wifi STA Netmask assigned by dhcp 1	WIFI STA NETMASK SET (DHCP on) 1	unsigned short	R/W	0	40406
Wifi STA Netmask assigned by dhcp 2	WIFI STA NETMASK SET (DHCP on) 2	unsigned short	R/W	0	40407
Wifi STA Netmask assigned by dhcp 3	WIFI STA NETMASK SET (DHCP on) 3	unsigned short	R/W	0	40408
Wifi STA Gateway assigned by dhcp 0	WIFI STA GATEWAY SET (DHCP on) 0	unsigned short	R/W	0	40409
Wifi STA Gateway assigned by dhcp 1	WIFI STA GATEWAY SET (DHCP on) 1	unsigned short	R/W	0	40410
Wifi STA Gateway assigned by dhcp 2	WIFI STA GATEWAY SET (DHCP on) 2	unsigned short	R/W	0	40411
Wifi STA Gateway assigned by dhcp 3	WIFI STA GATEWAY SET (DHCP on) 3	unsigned short	R/W	0	40412
Wifi AP SSID 0	WIFI AP SSID 0	char	R/W	M	40413
Wifi AP SSID 1	WIFI AP SSID 1	char	R/W	Y	40414
Wifi AP SSID 2	WIFI AP SSID 2	char	R/W		40415
Wifi AP SSID 3	WIFI AP SSID 3	char	R/W	E	40416
Wifi AP SSID 4	WIFI AP SSID 4	char	R/W	M	40417
Wifi AP SSID 5	WIFI AP SSID 5	char	R/W	T	40418
Wifi AP SSID 6	WIFI AP SSID 6	char	R/W		40419
Wifi AP SSID 7	WIFI AP SSID 7	char	R/W	4	40420
Wifi AP SSID 8	WIFI AP SSID 8	char	R/W	3	40421
Wifi AP SSID 9	WIFI AP SSID 9	char	R/W	0	40422
Wifi AP SSID 10	WIFI AP SSID 10	char	R/W	0	40423
Wifi AP SSID 11	WIFI AP SSID 11	char	R/W	0	40424
Wifi AP SSID 12	WIFI AP SSID 12	char	R/W	0	40425
Wifi AP SSID 13	WIFI AP SSID 13	char	R/W	0	40426
Wifi AP SSID 14	WIFI AP SSID 14	char	R/W	0	40427
Wifi AP SSID 15	WIFI AP SSID 15	char	R/W	0	40428
Wifi AP SSID 16	WIFI AP SSID 16	char	R/W	0	40429
Wifi AP SSID 17	WIFI AP SSID 17	char	R/W	0	40430
Wifi AP SSID 18	WIFI AP SSID 18	char	R/W	0	40431
Wifi AP SSID 19	WIFI AP SSID 19	char	R/W	0	40432
Wifi AP SSID 20	WIFI AP SSID 20	char	R/W	0	40433
Wifi AP SSID 21	WIFI AP SSID 21	char	R/W	0	40434
Wifi AP SSID 22	WIFI AP SSID 22	char	R/W	0	40435
Wifi AP SSID 23	WIFI AP SSID 23	char	R/W	0	40436
Wifi AP SSID 24	WIFI AP SSID 24	char	R/W	0	40437
Wifi AP SSID 25	WIFI AP SSID 25	char	R/W	0	40438
Wifi AP SSID 26	WIFI AP SSID 26	char	R/W	0	40439
Wifi AP SSID 27	WIFI AP SSID 27	char	R/W	0	40440
Wifi AP SSID 28	WIFI AP SSID 28	char	R/W	0	40441
Wifi AP SSID 29	WIFI AP SSID 29	char	R/W	0	40442
Wifi AP SSID 30	WIFI AP SSID 30	char	R/W	0	40443
Wifi AP SSID 31	WIFI AP SSID 31	char	R/W	0	40444
Wifi AP PASSWORD 0	WIFI AP PASSWORD 0	char	WO	1	40445
Wifi AP PASSWORD 1	WIFI AP PASSWORD 1	char	WO	2	40446
Wifi AP PASSWORD 2	WIFI AP PASSWORD 2	char	WO	3	40447
Wifi AP PASSWORD 3	WIFI AP PASSWORD 3	char	WO	4	40448
Wifi AP PASSWORD 4	WIFI AP PASSWORD 4	char	WO	5	40449
Wifi AP PASSWORD 5	WIFI AP PASSWORD 5	char	WO	6	40450
Wifi AP PASSWORD 6	WIFI AP PASSWORD 6	char	WO	7	40451
Wifi AP PASSWORD 7	WIFI AP PASSWORD 7	char	WO	8	40452
Wifi AP PASSWORD 8	WIFI AP PASSWORD 8	char	WO	9	40453
Wifi AP PASSWORD 9	WIFI AP PASSWORD 9	char	WO	0	40454
Wifi AP PASSWORD 10	WIFI AP PASSWORD 10	char	WO	0	40455
Wifi AP PASSWORD 11	WIFI AP PASSWORD 11	char	WO	0	40456
Wifi AP PASSWORD 12	WIFI AP PASSWORD 12	char	WO	0	40457
Wifi AP PASSWORD 13	WIFI AP PASSWORD 13	char	WO	0	40458
Wifi AP PASSWORD 14	WIFI AP PASSWORD 14	char	WO	0	40459
Wifi AP PASSWORD 15	WIFI AP PASSWORD 15	char	WO	0	40460
Wifi AP PASSWORD 16	WIFI AP PASSWORD 16	char	WO	0	40461
Wifi AP PASSWORD 17	WIFI AP PASSWORD 17	char	WO	0	40462
Wifi AP PASSWORD 18	WIFI AP PASSWORD 18	char	WO	0	40463
Wifi AP PASSWORD 19	WIFI AP PASSWORD 19	char	WO	0	40464
Wifi AP PASSWORD 20	WIFI AP PASSWORD 20	char	WO	0	40465
Wifi AP PASSWORD 21	WIFI AP PASSWORD 21	char	WO	0	40466
Wifi AP PASSWORD 22	WIFI AP PASSWORD 22	char	WO	0	40467
Wifi AP PASSWORD 23	WIFI AP PASSWORD 23	char	WO	0	40468
Wifi AP PASSWORD 24	WIFI AP PASSWORD 24	char	WO	0	40469
Wifi AP PASSWORD 25	WIFI AP PASSWORD 25	char	WO	0	40470
Wifi AP PASSWORD 26	WIFI AP PASSWORD 26	char	WO	0	40471
Wifi AP PASSWORD 27	WIFI AP PASSWORD 27	char	WO	0	40472
Wifi AP PASSWORD 28	WIFI AP PASSWORD 28	char	WO	0	40473
Wifi AP PASSWORD 29	WIFI AP PASSWORD 29	char	WO	0	40474
Wifi AP PASSWORD 30	WIFI AP PASSWORD 30	char	WO	0	40475
Wifi AP PASSWORD 31	WIFI AP PASSWORD 31	char	WO	0	40476
Wifi AP HOSTNAME 0	WIFI AP HOSTNAME set 0	char	R/W	E	40477
Wifi AP HOSTNAME 1	WIFI AP HOSTNAME set 1	char	R/W	M	40478
Wifi AP HOSTNAME 2	WIFI AP HOSTNAME set 2	char	R/W	T	40479
Wifi AP HOSTNAME 3	WIFI AP HOSTNAME set 3	char	R/W	4	40480
Wifi AP HOSTNAME 4	WIFI AP HOSTNAME set 4	char	R/W	3	40481
Wifi AP HOSTNAME 5	WIFI AP HOSTNAME set 5	char	R/W	0	40482
Wifi AP HOSTNAME 6	WIFI AP HOSTNAME set 6	char	R/W		40483
Wifi AP HOSTNAME 7	WIFI AP HOSTNAME set 7	char	R/W	W	40484
Wifi AP HOSTNAME 8	WIFI AP HOSTNAME set 8	char	R/W	I	40485
Wifi AP HOSTNAME 9	WIFI AP HOSTNAME set 9	char	R/W	F	40486
Wifi AP HOSTNAME 10	WIFI AP HOSTNAME set 10	char	R/W	I	40487
Wifi AP HOSTNAME 11	WIFI AP HOSTNAME set 11	char	R/W		40488
Wifi AP HOSTNAME 12	WIFI AP HOSTNAME set 12	char	R/W	A	40489
Wifi AP HOSTNAME 13	WIFI AP HOSTNAME set 13	char	R/W	P	40490
Wifi AP HOSTNAME 14	WIFI AP HOSTNAME set 14	char	R/W		40491
Wifi AP HOSTNAME 15	WIFI AP HOSTNAME set 15	char	R/W	0	40492
Wifi AP HOSTNAME 16	WIFI AP HOSTNAME set 16	char	R/W	0	40493
Wifi AP HOSTNAME 17	WIFI AP HOSTNAME set 17	char	R/W	0	40494
Wifi AP HOSTNAME 18	WIFI AP HOSTNAME set 18	char	R/W	0	40495
Wifi AP HOSTNAME 19	WIFI AP HOSTNAME set 19	char	R/W	0	40496
Wifi AP HOSTNAME 20	WIFI AP HOSTNAME set 20	char	R/W	0	40497
Wifi AP HOSTNAME 21	WIFI AP HOSTNAME set 21	char	R/W	0	40498
Wifi AP HOSTNAME 22	WIFI AP HOSTNAME set 22	char	R/W	0	40499
Wifi AP HOSTNAME 23	WIFI AP HOSTNAME set 23	char	R/W	0	40500
Wifi AP HOSTNAME 24	WIFI AP HOSTNAME set 24	char	R/W	0	40501
Wifi AP HOSTNAME 25	WIFI AP HOSTNAME set 25	char	R/W	0	40502
Wifi AP HOSTNAME 26	WIFI AP HOSTNAME set 26	char	R/W	0	40503
Wifi AP HOSTNAME 27	WIFI AP HOSTNAME set 27	char	R/W	0	40504
Wifi AP HOSTNAME 28	WIFI AP HOSTNAME set 28	char	R/W	0	40505
Wifi AP HOSTNAME 29	WIFI AP HOSTNAME set 29	char	R/W	0	40506
Wifi AP HOSTNAME 30	WIFI AP HOSTNAME set 30	char	R/W	0	40507
Wifi AP HOSTNAME 31	WIFI AP HOSTNAME set 31	char	R/W	0	40508
Wifi AP IP 0	WIFI AP IP 0	unsigned short	R/W	192	40509
Wifi AP IP 1	WIFI AP IP 1	unsigned short	R/W	168	40510
Wifi AP IP 2	WIFI AP IP 2	unsigned short	R/W	4	40511
Wifi AP IP 3	WIFI AP IP 3	unsigned short	R/W	1	40512
Wifi AP Netmask 0	WIFI AP NETMASK 0	unsigned short	R/W	255	40513
Wifi AP Netmask 1	WIFI AP NETMASK 1	unsigned short	R/W	255	40514
Wifi AP Netmask 2	WIFI AP NETMASK 2	unsigned short	R/W	255	40515
Wifi AP Netmask 3	WIFI AP NETMASK 3	unsigned short	R/W	0	40516
Wifi AP Gateway 0	WIFI AP GATEWAY 0	unsigned short	R/W	192	40517
Wifi AP Gateway 1	WIFI AP GATEWAY 1	unsigned short	R/W	168	40518
Wifi AP Gateway 2	WIFI AP GATEWAY 2	unsigned short	R/W	4	40519
Wifi AP Gateway 3	WIFI AP GATEWAY 3	unsigned short	R/W	1	40520
Ethernet HOSTNAME 0	Ethernet HOSTNAME 0 set 0	char	R/W	E	40521
Ethernet HOSTNAME 1	Ethernet HOSTNAME 0 set 1	char	R/W	M	40522
Ethernet HOSTNAME 2	Ethernet HOSTNAME 0 set 2	char	R/W	T	40523
Ethernet HOSTNAME 3	Ethernet HOSTNAME 0 set 3	char	R/W	4	40524
Ethernet HOSTNAME 4	Ethernet HOSTNAME 0 set 4	char	R/W	3	40525
Ethernet HOSTNAME 5	Ethernet HOSTNAME 0 set 5	char	R/W	0	40526
Ethernet HOSTNAME 6	Ethernet HOSTNAME 0 set 6	char	R/W		40527
Ethernet HOSTNAME 7	Ethernet HOSTNAME 0 set 7	char	R/W	E	40528
Ethernet HOSTNAME 8	Ethernet HOSTNAME 0 set 8	char	R/W	T	40529
Ethernet HOSTNAME 9	Ethernet HOSTNAME 0 set 9	char	R/W	H	40530

- RO: Read only
- WO: Write only
- R/W: Read and write



Register Name	Description	Register Type	R/W	Default	Modbus Address
Ethernet HOSTNAME 10	Ethernet HOSTNAME 0 set 10	char	R/W	E	40531
Ethernet HOSTNAME 11	Ethernet HOSTNAME 0 set 11	char	R/W	R	40532
Ethernet HOSTNAME 12	Ethernet HOSTNAME 0 set 12	char	R/W	N	40533
Ethernet HOSTNAME 13	Ethernet HOSTNAME 0 set 13	char	R/W	E	40534
Ethernet HOSTNAME 14	Ethernet HOSTNAME 0 set 14	char	R/W	T	40535
Ethernet HOSTNAME 15	Ethernet HOSTNAME 0 set 15	char	R/W		40536
Ethernet HOSTNAME 16	Ethernet HOSTNAME 0 set 16	char	R/W	\0	40537
Ethernet HOSTNAME 17	Ethernet HOSTNAME 0 set 17	char	R/W	\0	40538
Ethernet HOSTNAME 18	Ethernet HOSTNAME 0 set 18	char	R/W	\0	40539
Ethernet HOSTNAME 19	Ethernet HOSTNAME 0 set 19	char	R/W	\0	40540
Ethernet HOSTNAME 20	Ethernet HOSTNAME 0 set 20	char	R/W	\0	40541
Ethernet HOSTNAME 21	Ethernet HOSTNAME 0 set 21	char	R/W	\0	40542
Ethernet HOSTNAME 22	Ethernet HOSTNAME 0 set 22	char	R/W	\0	40543
Ethernet HOSTNAME 23	Ethernet HOSTNAME 0 set 23	char	R/W	\0	40544
Ethernet HOSTNAME 24	Ethernet HOSTNAME 0 set 24	char	R/W	\0	40545
Ethernet HOSTNAME 25	Ethernet HOSTNAME 0 set 25	char	R/W	\0	40546
Ethernet HOSTNAME 26	Ethernet HOSTNAME 0 set 26	char	R/W	\0	40547
Ethernet HOSTNAME 27	Ethernet HOSTNAME 0 set 27	char	R/W	\0	40548
Ethernet HOSTNAME 28	Ethernet HOSTNAME 0 set 28	char	R/W	\0	40549
Ethernet HOSTNAME 29	Ethernet HOSTNAME 0 set 29	char	R/W	\0	40550
Ethernet HOSTNAME 30	Ethernet HOSTNAME 0 set 30	char	R/W	\0	40551
Ethernet HOSTNAME 31	Ethernet HOSTNAME 0 set 31	char	R/W	\0	40552
Ethernet IP 0	ETHERNET IP static (DHCP off) 0	unsigned short	R/W	192	40553
Ethernet IP 1	ETHERNET IP static (DHCP off) 1	unsigned short	R/W	168	40554
Ethernet IP 2	ETHERNET IP static (DHCP off) 2	unsigned short	R/W	178	40555
Ethernet IP 3	ETHERNET IP static (DHCP off) 3	unsigned short	R/W	250	40556
Ethernet Netmask 0	ETHERNET NETMASK static (DHCP off) 0	unsigned short	R/W	255	40557
Ethernet Netmask 1	ETHERNET NETMASK static (DHCP off) 1	unsigned short	R/W	255	40558
Ethernet Netmask 2	ETHERNET NETMASK static (DHCP off) 2	unsigned short	R/W	255	40559
Ethernet Netmask 3	ETHERNET NETMASK static (DHCP off) 3	unsigned short	R/W	0	40560
Ethernet Gateway 0	ETHERNET GATEWAY static (DHCP off) 0	unsigned short	R/W	192	40561
Ethernet Gateway 1	ETHERNET GATEWAY static (DHCP off) 1	unsigned short	R/W	168	40562
Ethernet Gateway 2	ETHERNET GATEWAY static (DHCP off) 2	unsigned short	R/W	178	40563
Ethernet Gateway 3	ETHERNET GATEWAY static (DHCP off) 3	unsigned short	R/W	250	40564
Ethernet IP assigned by dhcp 0	ETHERNET IP ASSEGNATO (DHCP on) 0	unsigned short	R/W	0	40565
Ethernet IP assigned by dhcp 1	ETHERNET IP ASSEGNATO (DHCP on) 1	unsigned short	R/W	0	40566
Ethernet IP assigned by dhcp 2	ETHERNET IP ASSEGNATO (DHCP on) 2	unsigned short	R/W	0	40567
Ethernet IP assigned by dhcp 3	ETHERNET IP ASSEGNATO (DHCP on) 3	unsigned short	R/W	0	40568
Ethernet Netmask assigned by dhcp 0	ETHERNET NETMASK ASSEGNATO (DHCP on) 0	unsigned short	R/W	0	40569
Ethernet Netmask assigned by dhcp 1	ETHERNET NETMASK ASSEGNATO (DHCP on) 1	unsigned short	R/W	0	40570
Ethernet Netmask assigned by dhcp 2	ETHERNET NETMASK ASSEGNATO (DHCP on) 2	unsigned short	R/W	0	40571
Ethernet Netmask assigned by dhcp 3	ETHERNET NETMASK ASSEGNATO (DHCP on) 3	unsigned short	R/W	0	40572
Ethernet Gateway assigned by dhcp 0	ETHERNET GATEWAY ASSEGNATO (DHCP on) 0	unsigned short	R/W	0	40573
Ethernet Gateway assigned by dhcp 1	ETHERNET GATEWAY ASSEGNATO (DHCP on) 1	unsigned short	R/W	0	40574
Ethernet Gateway assigned by dhcp 2	ETHERNET GATEWAY ASSEGNATO (DHCP on) 2	unsigned short	R/W	0	40575
Ethernet Gateway assigned by dhcp 3	ETHERNET GATEWAY ASSEGNATO (DHCP on) 3	unsigned short	R/W	0	40576
Communications_settings	Bit 0: Ethernet DHCP 0 --> Disabled (static address from registers) 1 --> Enabled (default) Bit 1: Wi-Fi STA DHCP 0 --> Disabled (static address from registers) 1 --> Enabled (default)	unsigned long	R/W	3	40577
UTC_Time_zone_value	The value of this register sets the Time Zone out of a list of 461 elements. The entire list is in the documentation, the default value is 390 which is for 'Europe/Rome'	signed long	R/W	390	40579
logging_register_address 1	Modbus Address to do logging in position 1	unsigned short	R/W	40000	40631
logging_register_address 2	Modbus Address to do logging in position 2	unsigned short	R/W	40000	40632
logging_register_address 3	Modbus Address to do logging in position 3	unsigned short	R/W	40000	40633
logging_register_address 4	Modbus Address to do logging in position 4	unsigned short	R/W	40000	40634
logging_register_address 5	Modbus Address to do logging in position 5	unsigned short	R/W	40000	40635
logging_register_address 6	Modbus Address to do logging in position 6	unsigned short	R/W	40000	40636
logging_register_address 7	Modbus Address to do logging in position 7	unsigned short	R/W	40000	40637
logging_register_address 8	Modbus Address to do logging in position 8	unsigned short	R/W	40000	40638
logging_register_address 9	Modbus Address to do logging in position 9	unsigned short	R/W	40000	40639
logging_register_address 10	Modbus Address to do logging in position 10	unsigned short	R/W	40000	40640
logging_register_address 11	Modbus Address to do logging in position 11	unsigned short	R/W	40000	40641
logging_register_address 12	Modbus Address to do logging in position 12	unsigned short	R/W	40000	40642
logging_register_address 13	Modbus Address to do logging in position 13	unsigned short	R/W	40000	40643
logging_register_address 14	Modbus Address to do logging in position 14	unsigned short	R/W	40000	40644
logging_register_address 15	Modbus Address to do logging in position 15	unsigned short	R/W	40000	40645
logging_register_address 16	Modbus Address to do logging in position 16	unsigned short	R/W	40000	40646
logging_register_address 17	Modbus Address to do logging in position 17	unsigned short	R/W	40000	40647
logging_register_address 18	Modbus Address to do logging in position 18	unsigned short	R/W	40000	40648
logging_register_address 19	Modbus Address to do logging in position 19	unsigned short	R/W	40000	40649
logging_register_address 20	Modbus Address to do logging in position 20	unsigned short	R/W	40000	40650
logging_period_s_flash	logging period in seconds for internal flash	unsigned short	R/W	5	40651
mqtt_logging_register_address 1	Modbus Address used to log data with MQTT 1	unsigned short	R/W	40000	40652
mqtt_logging_register_address 2	Modbus Address used to log data with MQTT 2	unsigned short	R/W	40000	40653
mqtt_logging_register_address 3	Modbus Address used to log data with MQTT 3	unsigned short	R/W	40000	40654
mqtt_logging_register_address 4	Modbus Address used to log data with MQTT 4	unsigned short	R/W	40000	40655
mqtt_logging_register_address 5	Modbus Address used to log data with MQTT 5	unsigned short	R/W	40000	40656
mqtt_logging_register_address 6	Modbus Address used to log data with MQTT 6	unsigned short	R/W	40000	40657
mqtt_logging_register_address 7	Modbus Address used to log data with MQTT 7	unsigned short	R/W	40000	40658
mqtt_logging_register_address 8	Modbus Address used to log data with MQTT 8	unsigned short	R/W	40000	40659
mqtt_logging_register_address 9	Modbus Address used to log data with MQTT 9	unsigned short	R/W	40000	40660
mqtt_logging_register_address 10	Modbus Address used to log data with MQTT 10	unsigned short	R/W	40000	40661
mqtt_logging_register_address 11	Modbus Address used to log data with MQTT 11	unsigned short	R/W	40000	40662
mqtt_logging_register_address 12	Modbus Address used to log data with MQTT 12	unsigned short	R/W	40000	40663
mqtt_logging_register_address 13	Modbus Address used to log data with MQTT 13	unsigned short	R/W	40000	40664
mqtt_logging_register_address 14	Modbus Address used to log data with MQTT 14	unsigned short	R/W	40000	40665
mqtt_logging_register_address 15	Modbus Address used to log data with MQTT 15	unsigned short	R/W	40000	40666
mqtt_logging_register_address 16	Modbus Address used to log data with MQTT 16	unsigned short	R/W	40000	40667
mqtt_logging_register_address 17	Modbus Address used to log data with MQTT 17	unsigned short	R/W	40000	40668
mqtt_logging_register_address 18	Modbus Address used to log data with MQTT 18	unsigned short	R/W	40000	40669
mqtt_logging_register_address 19	Modbus Address used to log data with MQTT 19	unsigned short	R/W	40000	40670
mqtt_logging_register_address 20	Modbus Address used to log data with MQTT 20	unsigned short	R/W	40000	40671
mqtt_logging_period_s	mqtt publish period	unsigned short	R/W	1	40672
webserver_username 0	webserver authentication username char 0	char	R/W	a	40674
webserver_username 1	webserver authentication username char 1	char	R/W	d	40675
webserver_username 2	webserver authentication username char 2	char	R/W	m	40676
webserver_username 3	webserver authentication username char 3	char	R/W	i	40677
webserver_username 4	webserver authentication username char 4	char	R/W	n	40678
webserver_username 5	webserver authentication username char 5	char	R/W	\0	40679
webserver_username 6	webserver authentication username char 6	char	R/W	\0	40680
webserver_username 7	webserver authentication username char 7	char	R/W	\0	40681
webserver_username 8	webserver authentication username char 8	char	R/W	\0	40682
webserver_username 9	webserver authentication username char 9	char	R/W	\0	40683
webserver_username 10	webserver authentication username char 10	char	R/W	\0	40684
webserver_username 11	webserver authentication username char 11	char	R/W	\0	40685
webserver_username 12	webserver authentication username char 12	char	R/W	\0	40686
webserver_username 13	webserver authentication username char 13	char	R/W	\0	40687
webserver_username 14	webserver authentication username char 14	char	R/W	\0	40688
webserver_username 15	webserver authentication username char 15	char	R/W	\0	40689
webserver_password 0	webserver authentication password char 0	char	WO	a	40690
webserver_password 1	webserver authentication password char 1	char	WO	d	40691
webserver_password 2	webserver authentication password char 2	char	WO	m	40692
webserver_password 3	webserver authentication password char 3	char	WO	i	40693
webserver_password 4	webserver authentication password char 4	char	WO	n	40694
webserver_password 5	webserver authentication password char 5	char	WO	\0	40695
webserver_password 6	webserver authentication password char 6	char	WO	\0	40696
webserver_password 7	webserver authentication password char 7	char	WO	\0	40697
webserver_password 8	webserver authentication password char 8	char	WO	\0	40698
webserver_password 9	webserver authentication password char 9	char	WO	\0	40699
webserver_password 10	webserver authentication password char 10	char	WO	\0	40700
webserver_password 11	webserver authentication password char 11	char	WO	\0	40701
webserver_password 12	webserver authentication password char 12	char	WO	\0	40702
webserver_password 13	webserver authentication password char 13	char	WO	\0	40703
webserver_password 14	webserver authentication password char 14	char	WO	\0	40704
webserver_password 15	webserver authentication password char 15	char	WO	\0	40705
wifi_tx_power	Wifi Strength of our antenna in dBm	signed short	R/W	20	40715



Register Name	Description	Register Type	R/W	Default	Modbus Address
Pulses per kWh	Pulses per kWh impulsive digital output	unsigned short	R/W	1000	40716
Energies					
KWh1	Active energy line 1 [Wh tenth]	signed long long	R/W	0	40721
KWh2	Active energy line 2 [Wh tenth]	signed long long	R/W	0	40725
KWh3	Active energy line 3 [Wh tenth]	signed long long	R/W	0	40729
KWh_SUM	Active energy three phase [Wh tenth]	signed long long	R/W	0	40733
KWh1 Plus	Positive Active energy line 1 [Wh tenth]	signed long long	R/W	0	40737
KWh2 Plus	Positive Active energy line 2 [Wh tenth]	signed long long	R/W	0	40741
KWh3 Plus	Positive Active energy line 3 [Wh tenth]	signed long long	R/W	0	40745
KWh_SUM Plus	Positive Active energy three phase [Wh tenth]	signed long long	R/W	0	40749
KWh1 Neg	Negative Active energy line 1 [Wh tenth]	signed long long	R/W	0	40753
KWh2 Neg	Negative Active energy line 2 [Wh tenth]	signed long long	R/W	0	40757
KWh3 Neg	Negative Active energy line 3 [Wh tenth]	signed long long	R/W	0	40761
KWh_SUM Neg	Negative Active energy three phase [Wh tenth]	signed long long	R/W	0	40765
KVARh1	Reactive energy line 1 [VARh tenth]	signed long long	R/W	0	40769
KVARh2	Reactive energy line 2 [VARh tenth]	signed long long	R/W	0	40773
KVARh3	Reactive energy line 3 [VARh tenth]	signed long long	R/W	0	40777
KVARh_SUM	Reactive energy three phase [VARh tenth]	signed long long	R/W	0	40781
KVARh1 Inductive positive	Inductive (positive P) Reactive energy line 1 [VARh tenth]	signed long long	R/W	0	40785
KVARh2 Inductive positive	Inductive (positive P) Reactive energy line 2 [VARh tenth]	signed long long	R/W	0	40789
KVARh3 Inductive positive	Inductive (positive P) Reactive energy line 3 [VARh tenth]	signed long long	R/W	0	40793
KVARh_SUM Inductive positive	Inductive (positive P) Reactive energy three phase [VARh tenth]	signed long long	R/W	0	40797
KVARh1 Inductive negative	Inductive (negative P) Reactive energy line 1 [VARh tenth]	signed long long	R/W	0	40801
KVARh2 Inductive negative	Inductive (negative P) Reactive energy line 2 [VARh tenth]	signed long long	R/W	0	40805
KVARh3 Inductive negative	Inductive (negative P) Reactive energy line 3 [VARh tenth]	signed long long	R/W	0	40809
KVARh_SUM Inductive negative	Inductive (negative P) Reactive energy three phase [VARh tenth]	signed long long	R/W	0	40813
KVARh1 Capacitive positive	Capacitive (positive P) Reactive energy line 1 [VARh tenth]	signed long long	R/W	0	40817
KVARh2 Capacitive positive	Capacitive (positive P) Reactive energy line 2 [VARh tenth]	signed long long	R/W	0	40821
KVARh3 Capacitive positive	Capacitive (positive P) Reactive energy line 3 [VARh tenth]	signed long long	R/W	0	40825
KVARh_SUM Capacitive positive	Capacitive (positive P) Reactive energy three phase [VARh tenth]	signed long long	R/W	0	40829
KVARh1 Capacitive negative	Capacitive (negative P) Reactive energy line 1 [VARh tenth]	signed long long	R/W	0	40833
KVARh2 Capacitive negative	Capacitive (negative P) Reactive energy line 2 [VARh tenth]	signed long long	R/W	0	40837
KVARh3 Capacitive negative	Capacitive (negative P) Reactive energy line 3 [VARh tenth]	signed long long	R/W	0	40841
KVARh_SUM Capacitive negative	Capacitive (negative P) Reactive energy three phase [VARh tenth]	signed long long	R/W	0	40845
KVAh1	Apparent energy line 1 [VAh tenth]	signed long long	R/W	0	40849
KVAh2	Apparent energy line 2 [VAh tenth]	signed long long	R/W	0	40853
KVAh3	Apparent energy line 3 [VAh tenth]	signed long long	R/W	0	40857
KVAh_SUM	Apparent energy three phase [VAh tenth]	signed long long	R/W	0	40861
Wh storage count	Number of Wh flash savings (every 1 minute)	signed long long	RO	0	40865
Working time	Working time of the device (mins)	unsigned long	RO	0	40869
Communication_status					
Bit 0: Wifi Sta Connected 0 → Not Connected (default) 1 → Connected Bit 1: Ethernet Connected 0 → Not Connected (default) 1 → Connected Bit 2: Connected cloud service 0 → Not Connected (default) 1 → Connected Bit 3: SD Card Connected 0 → Not Connected (default) 1 → Connected Bit 4: USB Connected 0 → Not Connected (default) 1 → Connected					
Realtime measurement					
Status_1	//#STATUS_1 bit #define FLASH_SETTINGS_ERROR 0x00000001 #define FLASH_CALIBRATION_ERROR 0x00000002 #define I1_OVER_RANGE 0x00000004 #define I1_UNDER_RANGE 0x00000008 #define I2_OVER_RANGE 0x00000010 #define I2_UNDER_RANGE 0x00000020 #define I3_OVER_RANGE 0x00000040 #define I3_UNDER_RANGE 0x00000080 #define V1_OVER_RANGE 0x00000100 #define V1_UNDER_RANGE 0x00000200 #define V2_OVER_RANGE 0x00000400 #define V2_UNDER_RANGE 0x00000800 #define V3_OVER_RANGE 0x00001000 #define V3_UNDER_RANGE 0x00002000 #define ZX_DETECTING 0x00004000 #define SWITCH_OPEN 0x00008000 #define WH_STORING_ERROR 0x00010000 #define BUZZER_ON 0x00020000 #define ALARM_TRIGGER_REQUEST 0x00080000 #define PF1_INDUCTIVE 0x10000000 #define PF2_INDUCTIVE 0x20000000 #define PF3_INDUCTIVE 0x40000000	unsigned long	RO	0	40897
Status_2	//#STATUS_2 bit #define EVENT_MONITORING_READY_L1N 0x00000020 #define EVENT_MONITORING_READY_L2N 0x00000040 #define EVENT_MONITORING_READY_L3N 0x00000080 #define EVENT_PRESENT 0x00000800 #define FREQ_COPIED 0x00001000 #define NTP_SET 0x00002000 #define SWITCH_OPEN_L1 0x00008000 #define SWITCH_OPEN_L2 0x00010000 #define SWITCH_OPEN_L3 0x00020000 #define TOUCH_BOTTOM_PRESSED 0x00040000 #define ERROR_TEMP_SENSOR 0x00080000 #define ERROR_TOUCH_SENSOR 0x00100000 #define REQUEST_RESET_SETTINGS 0x00200000 #define RTC_WRITING_IN_PROGRESS 0x00400000 #define REQUEST_RSSI 0x00800000 #define MAX_DEMAND_STORING_ERROR 0x01000000 #define POWER_QUALITY_BLANKING 0x02000000 #define POWER_QUALITY_FLASH_ERROR 0x04000000	unsigned long	RO	0	40899
Command	/comandi da scrivere sul registro COMMAND #define COMANDO_SALVATAGGIO_FLASH_SOLO_SETTAGGI 0x1C0U #define COMANDO_SALVATAGGIO_FLASH_SETTAGGI_E_NFC 0xF1C0U #define COMANDO_RESET 0xC1A0U #define COMANDO_SAVE_ENERGY 0xBABAU #define COMANDO_LEGGI_EVENTI_SAG 0xE000U #define COMANDO_LEGGI_EVENTI_SWELL 0xE100U #define COMANDO_LEGGI_EVENTI_INTERRUPTIION 0xE200U #define COMANDO_RESET_EVENTI_SAG 0xE300U #define COMANDO_RESET_EVENTI_SWELL 0xE400U #define COMANDO_RESET_EVENTI_INTERRUPTIION 0xE500U #define COMANDO_RESET_MAX_DEMAND 0xF000U	unsigned short	R/W	0	40906
V_L1_N	RMS star voltage L1-N [V]	float	RO	0	40907
V_L2_N	RMS star voltage L2-N [V]	float	RO	0	40909
V_L3_N	RMS star voltage L3-N [V]	float	RO	0	40911
V_STAR_AVG	RMS star avg value voltage [V]	float	RO	0	40913
V_L1_L2	RMS line voltage L1-L2 [V]	float	RO	0	40915
V_L2_L3	RMS line voltage L2-L3 [V]	float	RO	0	40917
V_L3_L1	RMS line voltage L3-L1 [V]	float	RO	0	40919
V_LINE_AVG	RMS line avg value voltage [V]	float	RO	0	40921
I_L1	RMS line current L1	float	RO	0	40923
I_L2	RMS line current L2	float	RO	0	40925
I_L3	RMS line current L3	float	RO	0	40927

All versions

R/W legend:

- RO: Read only
- WO: Write only
- R/W: Read and write

EMT130_MR Rev2



Only FULL version

Register Name	Description	Register Type	R/W	Default	Modbus Address
I_N	RMS line current N (if 1 or 2 TA connection, I_N = 0)	float	RO	0	40929
I_AVG	RMS avg value current (excluding neutral current I_N)	float	RO	0	40931
P1	RMS active power line 1 [W]	float	RO	0	40933
P2	RMS active power line 2 [W]	float	RO	0	40935
P3	RMS active power line 3 [W]	float	RO	0	40937
P_SUM	RMS sum active power [W]	float	RO	0	40939
Q1	RMS reactive power line 1 [VAR]	float	RO	0	40941
Q2	RMS reactive power line 2 [VAR]	float	RO	0	40943
Q3	RMS reactive power line 3 [VAR]	float	RO	0	40945
Q_SUM	RMS sum reactive power [VAR]	float	RO	0	40947
S1	RMS apparent power line 1 [VAR]	float	RO	0	40949
S2	RMS apparent power line 2 [VAR]	float	RO	0	40951
S3	RMS apparent power line 3 [VAR]	float	RO	0	40953
S_SUM	RMS sum apparent power [VAR]	float	RO	0	40955
PF1	Power Factor line 1	float	RO	0	40957
PF2	Power Factor line 2	float	RO	0	40959
PF3	Power Factor line 3	float	RO	0	40961
PF_3PH	Three Phase Power Factor	float	RO	0	40963
CF1	Crest Factor line 1	float	RO	0	40965
CF2	Crest Factor line 2	float	RO	0	40967
CF3	Crest Factor line 3	float	RO	0	40969
CF_N	Crest Factor Neutral	float	RO	0	40971
Frequency	Frequency [Hz]	float	RO	0	40973
V_L1_N_peak	Star voltage L1-N peak [V]	float	R/W	0	40975
V_L2_N_peak	Star voltage L2-N peak [V]	float	R/W	0	40977
V_L3_N_peak	Star voltage L3-N peak [V]	float	R/W	0	40979
V_L1_L2_peak	Line voltage L1-L2 peak [V]	float	R/W	0	40981
V_L2_L3_peak	Line voltage L2-L3 peak [V]	float	R/W	0	40983
V_L3_L1_peak	Line voltage L3-L1 peak [V]	float	R/W	0	40985
I_L1_peak	L1 current peak	float	R/W	0	40987
I_L2_peak	L2 current peak	float	R/W	0	40989
I_L3_peak	L3 current peak	float	R/W	0	40991
I_N_peak	N current peak	float	R/W	0	40993
TAN_FI_1	Tangent0line 1 (+ inductive, - capacitive)	float	RO	0	41057
TAN_FI_2	Tangent0line 2 (+ inductive, - capacitive)	float	RO	0	41059
TAN_FI_3	Tangent0line 3 (+ inductive, - capacitive)	float	RO	0	41061
TAN_FI_AVG	Average Tangent0(+ inductive, - capacitive)	float	RO	0	41063
Phase_Order	L1, L2, L3 = 0; L1, L3, L2 = 1	float	RO	0	41065
Internal_temperature	Internal Temperature [°C]	float	RO	0	41067
Average, MAX and minimum value					
V_L1_N_RMS_AVG	Star voltage L1_N RMS average [V] over "seconds for mean RMS"	float	RO	0	41069
V_L1_N_RMS_MAX	Star voltage L1_N MAX RMS [V] over last "seconds for MAX RMS"	float	RO	0	41071
V_L1_N_RMS_min	Star voltage L1_N Min RMS [V] over last "seconds for min RMS"	float	RO	100000	41073
V_L2_N_RMS_AVG	Star voltage L2_N RMS average [V] over "seconds for mean RMS"	float	RO	0	41075
V_L2_N_RMS_MAX	Star voltage L2_N MAX RMS [V] over last "seconds for MAX RMS"	float	RO	0	41077
V_L2_N_RMS_min	Star voltage L2_N Min RMS [V] over last "seconds for min RMS"	float	RO	100000	41079
V_L3_N_RMS_AVG	Star voltage L3_N RMS average [V] over "seconds for mean RMS"	float	RO	0	41081
V_L3_N_RMS_MAX	Star voltage L3_N MAX RMS [V] over last "seconds for MAX RMS"	float	RO	0	41083
V_L3_N_RMS_min	Star voltage L3_N Min RMS [V] over last "seconds for min RMS"	float	RO	100000	41085
V_STAR_AVG_RMS_AVG	Star voltage AVG RMS average [V] over "seconds for mean RMS"	float	RO	0	41087
V_STAR_AVG_RMS_MAX	Star voltage AVG MAX RMS [V] over last "seconds for MAX RMS"	float	RO	0	41089
V_STAR_AVG_RMS_min	Star voltage AVG Min RMS [V] over last "seconds for min RMS"	float	RO	100000	41091
V_L1_L2_RMS_AVG	Line voltage L1-Line voltage L2-Line voltage L3-L1 RMS average [V] over "seconds for mean RMS"	float	RO	0	41093
V_L1_L2_RMS_MAX	Line voltage L1-Line voltage L2-Line voltage L3-L1 MAX RMS [V] over last "seconds for MAX RMS"	float	RO	0	41095
V_L1_L2_RMS_min	Line voltage L1-Line voltage L2-Line voltage L3-L1 Min RMS [V] over last "seconds for min RMS"	float	RO	100000	41097
V_L2_L3_RMS_AVG	Line voltage L2-Line voltage L3-L1 RMS average [V] over "seconds for mean RMS"	float	RO	0	41099
V_L2_L3_RMS_MAX	Line voltage L2-Line voltage L3-L1 MAX RMS [V] over last "seconds for MAX RMS"	float	RO	0	41101
V_L2_L3_RMS_min	Line voltage L2-Line voltage L3-L1 Min RMS [V] over last "seconds for min RMS"	float	RO	100000	41103
V_L3_L1_RMS_AVG	Line voltage L3-L1 RMS average [V] over "seconds for mean RMS"	float	RO	0	41105
V_L3_L1_RMS_MAX	Line voltage L3-L1 MAX RMS [V] over last "seconds for MAX RMS"	float	RO	0	41107
V_L3_L1_RMS_min	Line voltage L3-L1 Min RMS [V] over last "seconds for min RMS"	float	RO	100000	41109
V_LINE_AVG_RMS_AVG	Line voltage AVG RMS average [V] over "seconds for mean RMS"	float	RO	0	41111
V_LINE_AVG_RMS_MAX	Line voltage AVG MAX RMS [V] over last "seconds for MAX RMS"	float	RO	0	41113
V_LINE_AVG_RMS_min	Line voltage AVG Min RMS [V] over last "seconds for min RMS"	float	RO	100000	41115
I_L1_RMS_AVG	L1 RMS average over "seconds for mean RMS"	float	RO	0	41117
I_L1_RMS_MAX	L1 MAX RMS over last "seconds for MAX RMS"	float	RO	0	41119
I_L1_RMS_min	L1 Min RMS over last "seconds for min RMS"	float	RO	100000	41121
I_L2_RMS_AVG	L2 RMS average over "seconds for mean RMS"	float	RO	0	41123
I_L2_RMS_MAX	L2 MAX RMS over last "seconds for MAX RMS"	float	RO	0	41125
I_L2_RMS_min	L2 Min RMS over last "seconds for min RMS"	float	RO	100000	41127
I_L3_RMS_AVG	L3 RMS average over "seconds for mean RMS"	float	RO	0	41129
I_L3_RMS_MAX	L3 MAX RMS over last "seconds for MAX RMS"	float	RO	0	41131
I_L3_RMS_min	L3 Min RMS over last "seconds for min RMS"	float	RO	100000	41133
I_N_RMS_AVG	N RMS average over "seconds for mean RMS"	float	RO	0	41135
I_N_RMS_MAX	N MAX RMS over last "seconds for MAX RMS"	float	RO	0	41137
I_N_RMS_min	N Min RMS over last "seconds for min RMS"	float	RO	100000	41139
I_AVG_RMS_AVG	I AVG RMS average over "seconds for mean RMS"	float	RO	0	41141
I_AVG_RMS_MAX	I AVG MAX RMS over last "seconds for MAX RMS"	float	RO	0	41143
I_AVG_RMS_min	I AVG Min RMS over last "seconds for min RMS"	float	RO	100000	41145
P1_RMS_AVG	P1 RMS average [W] over "seconds for mean RMS"	float	RO	0	41147
P1_RMS_MAX	P1 MAX RMS [W] over last "seconds for MAX RMS"	float	RO	0	41149
P1_RMS_min	P1 Min RMS [W] over last "seconds for min RMS"	float	RO	100000	41151
P2_RMS_AVG	P2 RMS average [W] over "seconds for mean RMS"	float	RO	0	41153
P2_RMS_MAX	P2 MAX RMS [W] over last "seconds for MAX RMS"	float	RO	0	41155
P2_RMS_min	P2 Min RMS [W] over last "seconds for min RMS"	float	RO	100000	41157
P3_RMS_AVG	P3 RMS average [W] over "seconds for mean RMS"	float	RO	0	41159
P3_RMS_MAX	P3 MAX RMS [W] over last "seconds for MAX RMS"	float	RO	0	41161
P3_RMS_min	P3 Min RMS [W] over last "seconds for min RMS"	float	RO	100000	41163
P_SUM_RMS_AVG	P SUM RMS average [W] over "seconds for mean RMS"	float	RO	0	41165
P_SUM_RMS_MAX	P SUM MAX RMS [W] over last "seconds for MAX RMS"	float	RO	0	41167
P_SUM_RMS_min	P SUM Min RMS [W] over last "seconds for min RMS"	float	RO	100000	41169
Q1_RMS_AVG	Q1 RMS average [VAR] over "seconds for mean RMS"	float	RO	0	41171
Q1_RMS_MAX	Q1 MAX RMS [VAR] over last "seconds for MAX RMS"	float	RO	0	41173
Q1_RMS_min	Q1 Min RMS [VAR] over last "seconds for min RMS"	float	RO	100000	41175
Q2_RMS_AVG	Q2 RMS average [VAR] over "seconds for mean RMS"	float	RO	0	41177
Q2_RMS_MAX	Q2 MAX RMS [VAR] over last "seconds for MAX RMS"	float	RO	0	41179
Q2_RMS_min	Q2 Min RMS [VAR] over last "seconds for min RMS"	float	RO	100000	41181
Q3_RMS_AVG	Q3 RMS average [VAR] over "seconds for mean RMS"	float	RO	0	41183
Q3_RMS_MAX	Q3 MAX RMS [VAR] over last "seconds for MAX RMS"	float	RO	0	41185
Q3_RMS_min	Q3 Min RMS [VAR] over last "seconds for min RMS"	float	RO	100000	41187
Q_SUM_RMS_AVG	Q SUM RMS average [VAR] over "seconds for mean RMS"	float	RO	0	41189
Q_SUM_RMS_MAX	Q SUM MAX RMS [VAR] over last "seconds for MAX RMS"	float	RO	0	41191
Q_SUM_RMS_min	Q SUM Min RMS [VAR] over last "seconds for min RMS"	float	RO	100000	41193
S1_RMS_AVG	S1 RMS average [VA] over "seconds for mean RMS"	float	RO	0	41195
S1_RMS_MAX	S1 MAX RMS [VA] over last "seconds for MAX RMS"	float	RO	0	41197
S1_RMS_min	S1 Min RMS [VA] over last "seconds for min RMS"	float	RO	100000	41199
S2_RMS_AVG	S2 RMS average [VA] over "seconds for mean RMS"	float	RO	0	41201
S2_RMS_MAX	S2 MAX RMS [VA] over last "seconds for MAX RMS"	float	RO	0	41203
S2_RMS_min	S2 Min RMS [VA] over last "seconds for min RMS"	float	RO	100000	41205
S3_RMS_AVG	S3 RMS average [VA] over "seconds for mean RMS"	float	RO	0	41207
S3_RMS_MAX	S3 MAX RMS [VA] over last "seconds for MAX RMS"	float	RO	0	41209
S3_RMS_min	S3 Min RMS [VA] over last "seconds for min RMS"	float	RO	100000	41211
S_SUM_RMS_AVG	S SUM RMS average [VA] over "seconds for mean RMS"	float	RO	0	41213
S_SUM_RMS_MAX	S SUM MAX RMS [VA] over last "seconds for MAX RMS"	float	RO	0	41215
S_SUM_RMS_min	S SUM Min RMS [VA] over last "seconds for min RMS"	float	RO	100000	41217
PF1_RMS_AVG	PF1 RMS average over "seconds for mean RMS"	float	RO	0	41219
PF1_RMS_MAX	PF1 MAX RMS over last "seconds for MAX RMS"	float	RO	0	41221
PF1_RMS_min	PF1 Min RMS over last "seconds for min RMS"	float	RO	100000	41223
PF2_RMS_AVG	PF2 RMS average over "seconds for mean RMS"	float	RO	0	41225
PF2_RMS_MAX	PF2 MAX RMS over last "seconds for MAX RMS"	float	RO	0	41227
PF2_RMS_min	PF2 Min RMS over last "seconds for min RMS"	float	RO	100000	41229
PF3_RMS_AVG	PF3 RMS average over "seconds for mean RMS"	float	RO	0	41231
PF3_RMS_MAX	PF3 MAX RMS over last "seconds for MAX RMS"	float	RO	0	41233

Register Name	Description	Register Type	R/W	Default	Modbus Address
PF3 RMS min	PF3 Min RMS over last seconds for min RMS	float	RO	100000	41235
PF SUM RMS AVG	PF SUM RMS average over seconds for mean RMS	float	RO	0	41237
PF SUM RMS MAX	PF SUM MAX RMS over last seconds for MAX RMS	float	RO	0	41239
PF SUM RMS min	PF SUM Min RMS over last seconds for min RMS	float	RO	100000	41241
CF1 RMS AVG	CF1 RMS average over seconds for mean RMS	float	RO	0	41243
CF1 RMS MAX	CF1 MAX RMS over last seconds for MAX RMS	float	RO	0	41245
CF1 RMS min	CF1 Min RMS over last seconds for min RMS	float	RO	100000	41247
CF2 RMS AVG	CF2 RMS average over seconds for mean RMS	float	RO	0	41249
CF2 RMS MAX	CF2 MAX RMS over last seconds for MAX RMS	float	RO	0	41251
CF2 RMS min	CF2 Min RMS over last seconds for min RMS	float	RO	100000	41253
CF3 RMS AVG	CF3 RMS average over seconds for mean RMS	float	RO	0	41255
CF3 RMS MAX	CF3 MAX RMS over last seconds for MAX RMS	float	RO	0	41257
CF3 RMS min	CF3 Min RMS over last seconds for min RMS	float	RO	100000	41259
CF N RMS AVG	CF N RMS average over seconds for mean RMS	float	RO	0	41261
CF N RMS MAX	CF N MAX RMS over last seconds for MAX RMS	float	RO	0	41263
CF N RMS min	CF N Min RMS over last seconds for min RMS	float	RO	100000	41265
Frequency RMS AVG	Frequency average over seconds for mean RMS	float	RO	0	41267
Frequency RMS MAX	Frequency MAX over last seconds for MAX RMS	float	RO	0	41269
Frequency RMS min	Frequency Min over last seconds for min RMS	float	RO	100000	41271
P1 Tot AVG	Average total Power over minute for Max and AVG demand for P1	float	RO	0	41281
P2 Tot AVG	Average total Power over minute for Max and AVG demand for P2	float	RO	0	41283
P3 Tot AVG	Average total Power over minute for Max and AVG demand for P3	float	RO	0	41285
P SUM Tot AVG	Average total Power over minute for Max and AVG demand for P three phase	float	RO	0	41287
P1 Plus AVG	Average positive Power over minute for Max and AVG demand for P1	float	RO	0	41289
P2 Plus AVG	Average positive Power over minute for Max and AVG demand for P2	float	RO	0	41291
P3 Plus AVG	Average positive Power over minute for Max and AVG demand for P3	float	RO	0	41293
P SUM Plus AVG	Average positive Power over minute for Max and AVG demand for P three phase	float	RO	0	41295
P1 Neg AVG	Average Negative Power over minute for Max and AVG demand for P1	float	RO	0	41297
P2 Neg AVG	Average Negative Power over minute for Max and AVG demand for P2	float	RO	0	41299
P3 Neg AVG	Average Negative Power over minute for Max and AVG demand for P3	float	RO	0	41301
P SUM Neg AVG	Average Negative Power over minute for Max and AVG demand for P three phase	float	RO	0	41303
Q1 Plus AVG ind	Average Reactive Inductive Power with positive active power over minute for Max and AVG demand for Q1	float	RO	0	41305
Q2 Plus AVG ind	Average Reactive Inductive Power with positive active power over minute for Max and AVG demand for Q2	float	RO	0	41307
Q3 Plus AVG ind	Average Reactive Inductive Power with positive active power over minute for Max and AVG demand for Q3	float	RO	0	41309
Q SUM Plus AVG ind	Average Reactive Inductive Power with positive active power over minute for Max and AVG demand for Q three phase	float	RO	0	41311
Q1 Neg AVG ind	Average Reactive Inductive Power with negative active power over minute for Max and AVG demand for Q1	float	RO	0	41313
Q2 Neg AVG ind	Average Reactive Inductive Power with negative active power over minute for Max and AVG demand for Q2	float	RO	0	41315
Q3 Neg AVG ind	Average Reactive Inductive Power with negative active power over minute for Max and AVG demand for Q3	float	RO	0	41317
Q SUM Neg AVG ind	Average Reactive Inductive Power with negative active power over minute for Max and AVG demand for Q three phase	float	RO	0	41319
Q1 Plus AVG cap	Average Reactive Capacitive Power with positive active power over minute for Max and AVG demand for Q1	float	RO	0	41321
Q2 Plus AVG cap	Average Reactive Capacitive Power with positive active power over minute for Max and AVG demand for Q2	float	RO	0	41323
Q3 Plus AVG cap	Average Reactive Capacitive Power with positive active power over minute for Max and AVG demand for Q3	float	RO	0	41325
Q SUM Plus AVG cap	Average Reactive Capacitive Power with positive active power over minute for Max and AVG demand for Q three phase	float	RO	0	41327
Q1 Neg AVG cap	Average Reactive Capacitive Power with negative active power over minute for Max and AVG demand for Q1	float	RO	0	41329
Q2 Neg AVG cap	Average Reactive Capacitive Power with negative active power over minute for Max and AVG demand for Q2	float	RO	0	41331
Q3 Neg AVG cap	Average Reactive Capacitive Power with negative active power over minute for Max and AVG demand for Q3	float	RO	0	41333
Q SUM Neg AVG cap	Average Reactive Capacitive Power with negative active power over minute for Max and AVG demand for Q three phase	float	RO	0	41335
P1 MaxDemand	MAX Demand over minute for Max and AVG demand for P1	float	RO	0	41337
P2 MaxDemand	MAX Demand over minute for Max and AVG demand for P2	float	RO	0	41339
P3 MaxDemand	MAX Demand over minute for Max and AVG demand for P3	float	RO	0	41341
P SUM MaxDemand	MAX Demand over minute for Max and AVG demand for P three phase	float	RO	0	41343
Month of P1 MaxDemand	Month at which arises Max Demand over minute for Max and AVG demand for P1 for current month	unsigned short	RO	0	41345
Day of P1 MaxDemand	Day at which arises Max Demand over minute for Max and AVG demand for P1 for current month	unsigned short	RO	0	41346
Hour of P1 MaxDemand	Hour at which arises Max Demand over minute for Max and AVG demand for P1 for current month	unsigned short	RO	0	41347
Minute of P1 MaxDemand	Minute at which arises Max Demand over minute for Max and AVG demand for P1 for current month	unsigned short	RO	0	41348
Month of P2 MaxDemand	Month at which arises Max Demand over minute for Max and AVG demand for P2 for current month	unsigned short	RO	0	41349
Day of P2 MaxDemand	Day at which arises Max Demand over minute for Max and AVG demand for P2 for current month	unsigned short	RO	0	41350
Hour of P2 MaxDemand	Hour at which arises Max Demand over minute for Max and AVG demand for P2 for current month	unsigned short	RO	0	41351
Minute of P2 MaxDemand	Minute at which arises Max Demand over minute for Max and AVG demand for P2 for current month	unsigned short	RO	0	41352
Month of P3 MaxDemand	Month at which arises Max Demand over minute for Max and AVG demand for P3 for current month	unsigned short	RO	0	41353
Day of P3 MaxDemand	Day at which arises Max Demand over minute for Max and AVG demand for P3 for current month	unsigned short	RO	0	41354
Hour of P3 MaxDemand	Hour at which arises Max Demand over minute for Max and AVG demand for P3 for current month	unsigned short	RO	0	41355
Minute of P3 MaxDemand	Minute at which arises Max Demand over minute for Max and AVG demand for P3 for current month	unsigned short	RO	0	41356
Month of P SUM MaxDemand	Month at which arises Max Demand over minute for Max and AVG demand for P SUM for current month	unsigned short	RO	0	41357
Day of P SUM MaxDemand	Day at which arises Max Demand over minute for Max and AVG demand for P SUM for current month	unsigned short	RO	0	41358
Hour of P SUM MaxDemand	Hour at which arises Max Demand over minute for Max and AVG demand for P SUM for current month	unsigned short	RO	0	41359
Minute of P SUM MaxDemand	Minute at which arises Max Demand over minute for Max and AVG demand for P SUM for current month	unsigned short	RO	0	41360
Year	RTC : year (2000-2099)	unsigned short	R/W	2025	41361
Month	RTC : month (1-12)	unsigned short	R/W	10	41362
Day	RTC : day month (1-31)	unsigned short	R/W	6	41363
Hour	RTC : hour (0-23)	unsigned short	R/W	11	41364
Minute	RTC : minute (0-59)	unsigned short	R/W	7	41365
Seconds	RTC : second (0-59)	unsigned short	R/W	45	41366
RSSI	Wifi Strength (of the connected AP)	signed short	RO	0	41367
Harmonics and Interharmonics					
Efficiency	Calculate efficiency of Phase 1 compared to Phase 2	float	RO	0	41377
Voltage_unbalance	Voltage Unbalance of the three phase system	float	RO	0	41379
K_factor I1	K-factor for I1, see IEEE Standard 1100-1992	float	RO	0	41381
K_factor I2	K-factor for I2, see IEEE Standard 1100-1992	float	RO	0	41383
K_factor I3	K-factor for I3, see IEEE Standard 1100-1992	float	RO	0	41385
DPF1	Distortion Power Factor line 1 (+ inductive, - capacitive)	float	RO	0	41387
DPF2	Distortion Power Factor line 2 (+ inductive, - capacitive)	float	RO	0	41389
DPF3	Distortion Power Factor line 3 (+ inductive, - capacitive)	float	RO	0	41391
DPF_N	Neutral Distortion Power Factor (+ inductive, - capacitive)	float	RO	0	41393
THD_V_L1	THD Star Voltage L1	float	RO	0	41395
THD_V_L2	THD Star Voltage L2	float	RO	0	41397
THD_V_L3	THD Star Voltage L3	float	RO	0	41399
THD_V_L12	THD Line Voltage L1-L2	float	RO	0	41401
THD_V_L23	THD Line Voltage L2-L3	float	RO	0	41403
THD_V_L31	THD Line Voltage L3-L1	float	RO	0	41405
THD_I_L1	THD Line Current L1	float	RO	0	41407
THD_I_L2	THD Line Current L2	float	RO	0	41409
THD_I_L3	THD Line Current L3	float	RO	0	41411
THD_I_N	THD Neutral Current	float	RO	0	41413
TDD_I_L1	TDD Line Current L1	float	RO	0	41415
TDD_I_L2	TDD Line Current L2	float	RO	0	41417
TDD_I_L3	TDD Line Current L3	float	RO	0	41419
V_L1N_H_AMPLITUDE_0	Star Voltage L1-N Harmonic amplitude #0	float	RO	0	41421
V_L1N_H_AMPLITUDE_1	Star Voltage L1-N Harmonic amplitude #1	float	RO	0	41423
V_L1N_H_AMPLITUDE_2	Star Voltage L1-N Harmonic amplitude #2	float	RO	0	41425
V_L1N_H_AMPLITUDE_3	Star Voltage L1-N Harmonic amplitude #3	float	RO	0	41427
V_L1N_H_AMPLITUDE_4	Star Voltage L1-N Harmonic amplitude #4	float	RO	0	41429
V_L1N_H_AMPLITUDE_5	Star Voltage L1-N Harmonic amplitude #5	float	RO	0	41431
V_L1N_H_AMPLITUDE_6	Star Voltage L1-N Harmonic amplitude #6	float	RO	0	41433
V_L1N_H_AMPLITUDE_7	Star Voltage L1-N Harmonic amplitude #7	float	RO	0	41435
V_L1N_H_AMPLITUDE_8	Star Voltage L1-N Harmonic amplitude #8	float	RO	0	41437
V_L1N_H_AMPLITUDE_9	Star Voltage L1-N Harmonic amplitude #9	float	RO	0	41439
V_L1N_H_AMPLITUDE_10	Star Voltage L1-N Harmonic amplitude #10	float	RO	0	41441
V_L1N_H_AMPLITUDE_11	Star Voltage L1-N Harmonic amplitude #11	float	RO	0	41443
V_L1N_H_AMPLITUDE_12	Star Voltage L1-N Harmonic amplitude #12	float	RO	0	41445
V_L1N_H_AMPLITUDE_13	Star Voltage L1-N Harmonic amplitude #13	float	RO	0	41447
V_L1N_H_AMPLITUDE_14	Star Voltage L1-N Harmonic amplitude #14	float	RO	0	41449
V_L1N_H_AMPLITUDE_15	Star Voltage L1-N Harmonic amplitude #15	float	RO	0	41451
V_L1N_H_AMPLITUDE_16	Star Voltage L1-N Harmonic amplitude #16	float	RO	0	41453
V_L1N_H_AMPLITUDE_17	Star Voltage L1-N Harmonic amplitude #17	float	RO	0	41455
V_L1N_H_AMPLITUDE_18	Star Voltage L1-N Harmonic amplitude #18	float	RO	0	41457
V_L1N_H_AMPLITUDE_19	Star Voltage L1-N Harmonic amplitude #19	float	RO	0	41459
V_L1N_H_AMPLITUDE_20	Star Voltage L1-N Harmonic amplitude #20	float	RO	0	41461
V_L1N_H_AMPLITUDE_21	Star Voltage L1-N Harmonic amplitude #21	float	RO	0	41463
V_L1N_H_AMPLITUDE_22	Star Voltage L1-N Harmonic amplitude #22	float	RO	0	41465

Only FULL version

R/W legend:

- RO: Read only
- WO: Write only
- R/W: Read and write

Register Name	Description	Register Type	R/W	Default	Modbus Address
V_L1N_H_AMPLITUDE_23	Star Voltage L1-N Harmonic amplitude #23	float	RO	0	41467
V_L1N_H_AMPLITUDE_24	Star Voltage L1-N Harmonic amplitude #24	float	RO	0	41469
V_L1N_H_AMPLITUDE_25	Star Voltage L1-N Harmonic amplitude #25	float	RO	0	41471
V_L1N_H_AMPLITUDE_26	Star Voltage L1-N Harmonic amplitude #26	float	RO	0	41473
V_L1N_H_AMPLITUDE_27	Star Voltage L1-N Harmonic amplitude #27	float	RO	0	41475
V_L1N_H_AMPLITUDE_28	Star Voltage L1-N Harmonic amplitude #28	float	RO	0	41477
V_L1N_H_AMPLITUDE_29	Star Voltage L1-N Harmonic amplitude #29	float	RO	0	41479
V_L1N_H_AMPLITUDE_30	Star Voltage L1-N Harmonic amplitude #30	float	RO	0	41481
V_L1N_H_AMPLITUDE_31	Star Voltage L1-N Harmonic amplitude #31	float	RO	0	41483
V_L1N_H_AMPLITUDE_32	Star Voltage L1-N Harmonic amplitude #32	float	RO	0	41485
V_L1N_H_AMPLITUDE_33	Star Voltage L1-N Harmonic amplitude #33	float	RO	0	41487
V_L1N_H_AMPLITUDE_34	Star Voltage L1-N Harmonic amplitude #34	float	RO	0	41489
V_L1N_H_AMPLITUDE_35	Star Voltage L1-N Harmonic amplitude #35	float	RO	0	41491
V_L1N_H_AMPLITUDE_36	Star Voltage L1-N Harmonic amplitude #36	float	RO	0	41493
V_L1N_H_AMPLITUDE_37	Star Voltage L1-N Harmonic amplitude #37	float	RO	0	41495
V_L1N_H_AMPLITUDE_38	Star Voltage L1-N Harmonic amplitude #38	float	RO	0	41497
V_L1N_H_AMPLITUDE_39	Star Voltage L1-N Harmonic amplitude #39	float	RO	0	41499
V_L1N_H_AMPLITUDE_40	Star Voltage L1-N Harmonic amplitude #40	float	RO	0	41501
V_L1N_H_AMPLITUDE_41	Star Voltage L1-N Harmonic amplitude #41	float	RO	0	41503
V_L1N_H_AMPLITUDE_42	Star Voltage L1-N Harmonic amplitude #42	float	RO	0	41505
V_L1N_H_AMPLITUDE_43	Star Voltage L1-N Harmonic amplitude #43	float	RO	0	41507
V_L1N_H_AMPLITUDE_44	Star Voltage L1-N Harmonic amplitude #44	float	RO	0	41509
V_L1N_H_AMPLITUDE_45	Star Voltage L1-N Harmonic amplitude #45	float	RO	0	41511
V_L1N_H_AMPLITUDE_46	Star Voltage L1-N Harmonic amplitude #46	float	RO	0	41513
V_L1N_H_AMPLITUDE_47	Star Voltage L1-N Harmonic amplitude #47	float	RO	0	41515
V_L1N_H_AMPLITUDE_48	Star Voltage L1-N Harmonic amplitude #48	float	RO	0	41517
V_L1N_H_AMPLITUDE_49	Star Voltage L1-N Harmonic amplitude #49	float	RO	0	41519
V_L1N_H_AMPLITUDE_50	Star Voltage L1-N Harmonic amplitude #50	float	RO	0	41521
V_L1N_H_AMPLITUDE_51	Star Voltage L1-N Harmonic amplitude #51	float	RO	0	41523
V_L1N_H_AMPLITUDE_52	Star Voltage L1-N Harmonic amplitude #52	float	RO	0	41525
V_L1N_H_AMPLITUDE_53	Star Voltage L1-N Harmonic amplitude #53	float	RO	0	41527
V_L1N_H_AMPLITUDE_54	Star Voltage L1-N Harmonic amplitude #54	float	RO	0	41529
V_L1N_H_AMPLITUDE_55	Star Voltage L1-N Harmonic amplitude #55	float	RO	0	41531
V_L1N_H_AMPLITUDE_56	Star Voltage L1-N Harmonic amplitude #56	float	RO	0	41533
V_L1N_H_AMPLITUDE_57	Star Voltage L1-N Harmonic amplitude #57	float	RO	0	41535
V_L1N_H_AMPLITUDE_58	Star Voltage L1-N Harmonic amplitude #58	float	RO	0	41537
V_L1N_H_AMPLITUDE_59	Star Voltage L1-N Harmonic amplitude #59	float	RO	0	41539
V_L1N_H_AMPLITUDE_60	Star Voltage L1-N Harmonic amplitude #60	float	RO	0	41541
V_L1N_H_AMPLITUDE_61	Star Voltage L1-N Harmonic amplitude #61	float	RO	0	41543
V_L1N_H_AMPLITUDE_62	Star Voltage L1-N Harmonic amplitude #62	float	RO	0	41545
V_L1N_H_AMPLITUDE_63	Star Voltage L1-N Harmonic amplitude #63	float	RO	0	41547
V_L1N_H_PHASE_0	Star Voltage L1-N Harmonic phase #0	float	RO	0	41549
V_L1N_H_PHASE_1	Star Voltage L1-N Harmonic phase #1	float	RO	0	41551
V_L1N_H_PHASE_2	Star Voltage L1-N Harmonic phase #2	float	RO	0	41553
V_L1N_H_PHASE_3	Star Voltage L1-N Harmonic phase #3	float	RO	0	41555
V_L1N_H_PHASE_4	Star Voltage L1-N Harmonic phase #4	float	RO	0	41557
V_L1N_H_PHASE_5	Star Voltage L1-N Harmonic phase #5	float	RO	0	41559
V_L1N_H_PHASE_6	Star Voltage L1-N Harmonic phase #6	float	RO	0	41561
V_L1N_H_PHASE_7	Star Voltage L1-N Harmonic phase #7	float	RO	0	41563
V_L1N_H_PHASE_8	Star Voltage L1-N Harmonic phase #8	float	RO	0	41565
V_L1N_H_PHASE_9	Star Voltage L1-N Harmonic phase #9	float	RO	0	41567
V_L1N_H_PHASE_10	Star Voltage L1-N Harmonic phase #10	float	RO	0	41569
V_L1N_H_PHASE_11	Star Voltage L1-N Harmonic phase #11	float	RO	0	41571
V_L1N_H_PHASE_12	Star Voltage L1-N Harmonic phase #12	float	RO	0	41573
V_L1N_H_PHASE_13	Star Voltage L1-N Harmonic phase #13	float	RO	0	41575
V_L1N_H_PHASE_14	Star Voltage L1-N Harmonic phase #14	float	RO	0	41577
V_L1N_H_PHASE_15	Star Voltage L1-N Harmonic phase #15	float	RO	0	41579
V_L1N_H_PHASE_16	Star Voltage L1-N Harmonic phase #16	float	RO	0	41581
V_L1N_H_PHASE_17	Star Voltage L1-N Harmonic phase #17	float	RO	0	41583
V_L1N_H_PHASE_18	Star Voltage L1-N Harmonic phase #18	float	RO	0	41585
V_L1N_H_PHASE_19	Star Voltage L1-N Harmonic phase #19	float	RO	0	41587
V_L1N_H_PHASE_20	Star Voltage L1-N Harmonic phase #20	float	RO	0	41589
V_L1N_H_PHASE_21	Star Voltage L1-N Harmonic phase #21	float	RO	0	41591
V_L1N_H_PHASE_22	Star Voltage L1-N Harmonic phase #22	float	RO	0	41593
V_L1N_H_PHASE_23	Star Voltage L1-N Harmonic phase #23	float	RO	0	41595
V_L1N_H_PHASE_24	Star Voltage L1-N Harmonic phase #24	float	RO	0	41597
V_L1N_H_PHASE_25	Star Voltage L1-N Harmonic phase #25	float	RO	0	41599
V_L1N_H_PHASE_26	Star Voltage L1-N Harmonic phase #26	float	RO	0	41601
V_L1N_H_PHASE_27	Star Voltage L1-N Harmonic phase #27	float	RO	0	41603
V_L1N_H_PHASE_28	Star Voltage L1-N Harmonic phase #28	float	RO	0	41605
V_L1N_H_PHASE_29	Star Voltage L1-N Harmonic phase #29	float	RO	0	41607
V_L1N_H_PHASE_30	Star Voltage L1-N Harmonic phase #30	float	RO	0	41609
V_L1N_H_PHASE_31	Star Voltage L1-N Harmonic phase #31	float	RO	0	41611
V_L1N_H_PHASE_32	Star Voltage L1-N Harmonic phase #32	float	RO	0	41613
V_L1N_H_PHASE_33	Star Voltage L1-N Harmonic phase #33	float	RO	0	41615
V_L1N_H_PHASE_34	Star Voltage L1-N Harmonic phase #34	float	RO	0	41617
V_L1N_H_PHASE_35	Star Voltage L1-N Harmonic phase #35	float	RO	0	41619
V_L1N_H_PHASE_36	Star Voltage L1-N Harmonic phase #36	float	RO	0	41621
V_L1N_H_PHASE_37	Star Voltage L1-N Harmonic phase #37	float	RO	0	41623
V_L1N_H_PHASE_38	Star Voltage L1-N Harmonic phase #38	float	RO	0	41625
V_L1N_H_PHASE_39	Star Voltage L1-N Harmonic phase #39	float	RO	0	41627
V_L1N_H_PHASE_40	Star Voltage L1-N Harmonic phase #40	float	RO	0	41629
V_L1N_H_PHASE_41	Star Voltage L1-N Harmonic phase #41	float	RO	0	41631
V_L1N_H_PHASE_42	Star Voltage L1-N Harmonic phase #42	float	RO	0	41633
V_L1N_H_PHASE_43	Star Voltage L1-N Harmonic phase #43	float	RO	0	41635
V_L1N_H_PHASE_44	Star Voltage L1-N Harmonic phase #44	float	RO	0	41637
V_L1N_H_PHASE_45	Star Voltage L1-N Harmonic phase #45	float	RO	0	41639
V_L1N_H_PHASE_46	Star Voltage L1-N Harmonic phase #46	float	RO	0	41641
V_L1N_H_PHASE_47	Star Voltage L1-N Harmonic phase #47	float	RO	0	41643
V_L1N_H_PHASE_48	Star Voltage L1-N Harmonic phase #48	float	RO	0	41645
V_L1N_H_PHASE_49	Star Voltage L1-N Harmonic phase #49	float	RO	0	41647
V_L1N_H_PHASE_50	Star Voltage L1-N Harmonic phase #50	float	RO	0	41649
V_L1N_H_PHASE_51	Star Voltage L1-N Harmonic phase #51	float	RO	0	41651
V_L1N_H_PHASE_52	Star Voltage L1-N Harmonic phase #52	float	RO	0	41653
V_L1N_H_PHASE_53	Star Voltage L1-N Harmonic phase #53	float	RO	0	41655
V_L1N_H_PHASE_54	Star Voltage L1-N Harmonic phase #54	float	RO	0	41657
V_L1N_H_PHASE_55	Star Voltage L1-N Harmonic phase #55	float	RO	0	41659
V_L1N_H_PHASE_56	Star Voltage L1-N Harmonic phase #56	float	RO	0	41661
V_L1N_H_PHASE_57	Star Voltage L1-N Harmonic phase #57	float	RO	0	41663
V_L1N_H_PHASE_58	Star Voltage L1-N Harmonic phase #58	float	RO	0	41665
V_L1N_H_PHASE_59	Star Voltage L1-N Harmonic phase #59	float	RO	0	41667
V_L1N_H_PHASE_60	Star Voltage L1-N Harmonic phase #60	float	RO	0	41669
V_L1N_H_PHASE_61	Star Voltage L1-N Harmonic phase #61	float	RO	0	41671
V_L1N_H_PHASE_62	Star Voltage L1-N Harmonic phase #62	float	RO	0	41673
V_L1N_H_PHASE_63	Star Voltage L1-N Harmonic phase #63	float	RO	0	41675
V_L2N_H_AMPLITUDE_0	Star Voltage L2-N Harmonic amplitude #0	float	RO	0	41677
V_L2N_H_AMPLITUDE_1	Star Voltage L2-N Harmonic amplitude #1	float	RO	0	41679
V_L2N_H_AMPLITUDE_2	Star Voltage L2-N Harmonic amplitude #2	float	RO	0	41681
V_L2N_H_AMPLITUDE_3	Star Voltage L2-N Harmonic amplitude #3	float	RO	0	41683
V_L2N_H_AMPLITUDE_4	Star Voltage L2-N Harmonic amplitude #4	float	RO	0	41685
V_L2N_H_AMPLITUDE_5	Star Voltage L2-N Harmonic amplitude #5	float	RO	0	41687
V_L2N_H_AMPLITUDE_6	Star Voltage L2-N Harmonic amplitude #6	float	RO	0	41689
V_L2N_H_AMPLITUDE_7	Star Voltage L2-N Harmonic amplitude #7	float	RO	0	41691
V_L2N_H_AMPLITUDE_8	Star Voltage L2-N Harmonic amplitude #8	float	RO	0	41693
V_L2N_H_AMPLITUDE_9	Star Voltage L2-N Harmonic amplitude #9	float	RO	0	41695
V_L2N_H_AMPLITUDE_10	Star Voltage L2-N Harmonic amplitude #10	float	RO	0	41697
V_L2N_H_AMPLITUDE_11	Star Voltage L2-N Harmonic amplitude #11	float	RO	0	41699
V_L2N_H_AMPLITUDE_12	Star Voltage L2-N Harmonic amplitude #12	float	RO	0	41701
V_L2N_H_AMPLITUDE_13	Star Voltage L2-N Harmonic amplitude #13	float	RO	0	41703
V_L2N_H_AMPLITUDE_14	Star Voltage L2-N Harmonic amplitude #14	float	RO	0	41705
V_L2N_H_AMPLITUDE_15	Star Voltage L2-N Harmonic amplitude #15	float	RO	0	41707
V_L2N_H_AMPLITUDE_16	Star Voltage L2-N Harmonic amplitude #16	float	RO	0	41709
V_L2N_H_AMPLITUDE_17	Star Voltage L2-N Harmonic amplitude #17	float	RO	0	41711
V_L2N_H_AMPLITUDE_18	Star Voltage L2-N Harmonic amplitude #18	float	RO	0	41713
V_L2N_H_AMPLITUDE_19	Star Voltage L2-N Harmonic amplitude #19	float	RO	0	41715
V_L2N_H_AMPLITUDE_20	Star Voltage L2-N Harmonic amplitude #20	float	RO	0	41717
V_L2N_H_AMPLITUDE_21	Star Voltage L2-N Harmonic amplitude #21	float	RO	0	41719

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
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 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

Register Name	Description	Register Type	R/W	Default	Modbus Address
V L23 H AMPLITUDE 25	Line Voltage L2-L3 Harmonic amplitude #25	float	RO	0	42495
V L23 H AMPLITUDE 26	Line Voltage L2-L3 Harmonic amplitude #26	float	RO	0	42497
V L23 H AMPLITUDE 27	Line Voltage L2-L3 Harmonic amplitude #27	float	RO	0	42499
V L23 H AMPLITUDE 28	Line Voltage L2-L3 Harmonic amplitude #28	float	RO	0	42501
V L23 H AMPLITUDE 29	Line Voltage L2-L3 Harmonic amplitude #29	float	RO	0	42503
V L23 H AMPLITUDE 30	Line Voltage L2-L3 Harmonic amplitude #30	float	RO	0	42505
V L23 H AMPLITUDE 31	Line Voltage L2-L3 Harmonic amplitude #31	float	RO	0	42507
V L23 H AMPLITUDE 32	Line Voltage L2-L3 Harmonic amplitude #32	float	RO	0	42509
V L23 H AMPLITUDE 33	Line Voltage L2-L3 Harmonic amplitude #33	float	RO	0	42511
V L23 H AMPLITUDE 34	Line Voltage L2-L3 Harmonic amplitude #34	float	RO	0	42513
V L23 H AMPLITUDE 35	Line Voltage L2-L3 Harmonic amplitude #35	float	RO	0	42515
V L23 H AMPLITUDE 36	Line Voltage L2-L3 Harmonic amplitude #36	float	RO	0	42517
V L23 H AMPLITUDE 37	Line Voltage L2-L3 Harmonic amplitude #37	float	RO	0	42519
V L23 H AMPLITUDE 38	Line Voltage L2-L3 Harmonic amplitude #38	float	RO	0	42521
V L23 H AMPLITUDE 39	Line Voltage L2-L3 Harmonic amplitude #39	float	RO	0	42523
V L23 H AMPLITUDE 40	Line Voltage L2-L3 Harmonic amplitude #40	float	RO	0	42525
V L23 H AMPLITUDE 41	Line Voltage L2-L3 Harmonic amplitude #41	float	RO	0	42527
V L23 H AMPLITUDE 42	Line Voltage L2-L3 Harmonic amplitude #42	float	RO	0	42529
V L23 H AMPLITUDE 43	Line Voltage L2-L3 Harmonic amplitude #43	float	RO	0	42531
V L23 H AMPLITUDE 44	Line Voltage L2-L3 Harmonic amplitude #44	float	RO	0	42533
V L23 H AMPLITUDE 45	Line Voltage L2-L3 Harmonic amplitude #45	float	RO	0	42535
V L23 H AMPLITUDE 46	Line Voltage L2-L3 Harmonic amplitude #46	float	RO	0	42537
V L23 H AMPLITUDE 47	Line Voltage L2-L3 Harmonic amplitude #47	float	RO	0	42539
V L23 H AMPLITUDE 48	Line Voltage L2-L3 Harmonic amplitude #48	float	RO	0	42541
V L23 H AMPLITUDE 49	Line Voltage L2-L3 Harmonic amplitude #49	float	RO	0	42543
V L23 H AMPLITUDE 50	Line Voltage L2-L3 Harmonic amplitude #50	float	RO	0	42545
V L23 H AMPLITUDE 51	Line Voltage L2-L3 Harmonic amplitude #51	float	RO	0	42547
V L23 H AMPLITUDE 52	Line Voltage L2-L3 Harmonic amplitude #52	float	RO	0	42549
V L23 H AMPLITUDE 53	Line Voltage L2-L3 Harmonic amplitude #53	float	RO	0	42551
V L23 H AMPLITUDE 54	Line Voltage L2-L3 Harmonic amplitude #54	float	RO	0	42553
V L23 H AMPLITUDE 55	Line Voltage L2-L3 Harmonic amplitude #55	float	RO	0	42555
V L23 H AMPLITUDE 56	Line Voltage L2-L3 Harmonic amplitude #56	float	RO	0	42557
V L23 H AMPLITUDE 57	Line Voltage L2-L3 Harmonic amplitude #57	float	RO	0	42559
V L23 H AMPLITUDE 58	Line Voltage L2-L3 Harmonic amplitude #58	float	RO	0	42561
V L23 H AMPLITUDE 59	Line Voltage L2-L3 Harmonic amplitude #59	float	RO	0	42563
V L23 H AMPLITUDE 60	Line Voltage L2-L3 Harmonic amplitude #60	float	RO	0	42565
V L23 H AMPLITUDE 61	Line Voltage L2-L3 Harmonic amplitude #61	float	RO	0	42567
V L23 H AMPLITUDE 62	Line Voltage L2-L3 Harmonic amplitude #62	float	RO	0	42569
V L23 H AMPLITUDE 63	Line Voltage L2-L3 Harmonic amplitude #63	float	RO	0	42571
V L23 H PHASE 0	Line Voltage L2-L3 Harmonic phase #0	float	RO	0	42573
V L23 H PHASE 1	Line Voltage L2-L3 Harmonic phase #1	float	RO	0	42575
V L23 H PHASE 2	Line Voltage L2-L3 Harmonic phase #2	float	RO	0	42577
V L23 H PHASE 3	Line Voltage L2-L3 Harmonic phase #3	float	RO	0	42579
V L23 H PHASE 4	Line Voltage L2-L3 Harmonic phase #4	float	RO	0	42581
V L23 H PHASE 5	Line Voltage L2-L3 Harmonic phase #5	float	RO	0	42583
V L23 H PHASE 6	Line Voltage L2-L3 Harmonic phase #6	float	RO	0	42585
V L23 H PHASE 7	Line Voltage L2-L3 Harmonic phase #7	float	RO	0	42587
V L23 H PHASE 8	Line Voltage L2-L3 Harmonic phase #8	float	RO	0	42589
V L23 H PHASE 9	Line Voltage L2-L3 Harmonic phase #9	float	RO	0	42591
V L23 H PHASE 10	Line Voltage L2-L3 Harmonic phase #10	float	RO	0	42593
V L23 H PHASE 11	Line Voltage L2-L3 Harmonic phase #11	float	RO	0	42595
V L23 H PHASE 12	Line Voltage L2-L3 Harmonic phase #12	float	RO	0	42597
V L23 H PHASE 13	Line Voltage L2-L3 Harmonic phase #13	float	RO	0	42599
V L23 H PHASE 14	Line Voltage L2-L3 Harmonic phase #14	float	RO	0	42601
V L23 H PHASE 15	Line Voltage L2-L3 Harmonic phase #15	float	RO	0	42603
V L23 H PHASE 16	Line Voltage L2-L3 Harmonic phase #16	float	RO	0	42605
V L23 H PHASE 17	Line Voltage L2-L3 Harmonic phase #17	float	RO	0	42607
V L23 H PHASE 18	Line Voltage L2-L3 Harmonic phase #18	float	RO	0	42609
V L23 H PHASE 19	Line Voltage L2-L3 Harmonic phase #19	float	RO	0	42611
V L23 H PHASE 20	Line Voltage L2-L3 Harmonic phase #20	float	RO	0	42613
V L23 H PHASE 21	Line Voltage L2-L3 Harmonic phase #21	float	RO	0	42615
V L23 H PHASE 22	Line Voltage L2-L3 Harmonic phase #22	float	RO	0	42617
V L23 H PHASE 23	Line Voltage L2-L3 Harmonic phase #23	float	RO	0	42619
V L23 H PHASE 24	Line Voltage L2-L3 Harmonic phase #24	float	RO	0	42621

[illegible]

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

Register Name	Description	Register Type	R/W	Default	Modbus Address
L L1 H AMPLITUDE 27	Line Current L1 Harmonic amplitude #27	float	RO	0	43011
L L1 H AMPLITUDE 28	Line Current L1 Harmonic amplitude #28	float	RO	0	43013
L L1 H AMPLITUDE 29	Line Current L1 Harmonic amplitude #29	float	RO	0	43015
L L1 H AMPLITUDE 30	Line Current L1 Harmonic amplitude #30	float	RO	0	43017
L L1 H AMPLITUDE 31	Line Current L1 Harmonic amplitude #31	float	RO	0	43019
L L1 H AMPLITUDE 32	Line Current L1 Harmonic amplitude #32	float	RO	0	43021
L L1 H AMPLITUDE 33	Line Current L1 Harmonic amplitude #33	float	RO	0	43023
L L1 H AMPLITUDE 34	Line Current L1 Harmonic amplitude #34	float	RO	0	43025
L L1 H AMPLITUDE 35	Line Current L1 Harmonic amplitude #35	float	RO	0	43027
L L1 H AMPLITUDE 36	Line Current L1 Harmonic amplitude #36	float	RO	0	43029
L L1 H AMPLITUDE 37	Line Current L1 Harmonic amplitude #37	float	RO	0	43031
L L1 H AMPLITUDE 38	Line Current L1 Harmonic amplitude #38	float	RO	0	43033
L L1 H AMPLITUDE 39	Line Current L1 Harmonic amplitude #39	float	RO	0	43035
L L1 H AMPLITUDE 40	Line Current L1 Harmonic amplitude #40	float	RO	0	43037
L L1 H AMPLITUDE 41	Line Current L1 Harmonic amplitude #41	float	RO	0	43039
L L1 H AMPLITUDE 42	Line Current L1 Harmonic amplitude #42	float	RO	0	43041
L L1 H AMPLITUDE 43	Line Current L1 Harmonic amplitude #43	float	RO	0	43043
L L1 H AMPLITUDE 44	Line Current L1 Harmonic amplitude #44	float	RO	0	43045
L L1 H AMPLITUDE 45	Line Current L1 Harmonic amplitude #45	float	RO	0	43047
L L1 H AMPLITUDE 46	Line Current L1 Harmonic amplitude #46	float	RO	0	43049
L L1 H AMPLITUDE 47	Line Current L1 Harmonic amplitude #47	float	RO	0	43051
L L1 H AMPLITUDE 48	Line Current L1 Harmonic amplitude #48	float	RO	0	43053
L L1 H AMPLITUDE 49	Line Current L1 Harmonic amplitude #49	float	RO	0	43055
L L1 H AMPLITUDE 50	Line Current L1 Harmonic amplitude #50	float	RO	0	43057
L L1 H AMPLITUDE 51	Line Current L1 Harmonic amplitude #51	float	RO	0	43059
L L1 H AMPLITUDE 52	Line Current L1 Harmonic amplitude #52	float	RO	0	43061
L L1 H AMPLITUDE 53	Line Current L1 Harmonic amplitude #53	float	RO	0	43063
L L1 H AMPLITUDE 54	Line Current L1 Harmonic amplitude #54	float	RO	0	43065
L L1 H AMPLITUDE 55	Line Current L1 Harmonic amplitude #55	float	RO	0	43067
L L1 H AMPLITUDE 56	Line Current L1 Harmonic amplitude #56	float	RO	0	43069
L L1 H AMPLITUDE 57	Line Current L1 Harmonic amplitude #57	float	RO	0	43071
L L1 H AMPLITUDE 58	Line Current L1 Harmonic amplitude #58	float	RO	0	43073
L L1 H AMPLITUDE 59	Line Current L1 Harmonic amplitude #59	float	RO	0	43075
L L1 H AMPLITUDE 60	Line Current L1 Harmonic amplitude #60	float	RO	0	43077
L L1 H AMPLITUDE 61	Line Current L1 Harmonic amplitude #61	float	RO	0	43079
L L1 H AMPLITUDE 62	Line Current L1 Harmonic amplitude #62	float	RO	0	43081
L L1 H AMPLITUDE 63	Line Current L1 Harmonic amplitude #63	float	RO	0	43083
L L1 H PHASE 0	Line Current L1 Harmonic phase #0	float	RO	0	43085
L L1 H PHASE 1	Line Current L1 Harmonic phase #1	float	RO	0	43087
L L1 H PHASE 2	Line Current L1 Harmonic phase #2	float	RO	0	43089
L L1 H PHASE 3	Line Current L1 Harmonic phase #3	float	RO	0	43091
L L1 H PHASE 4	Line Current L1 Harmonic phase #4	float	RO	0	43093
L L1 H PHASE 5	Line Current L1 Harmonic phase #5	float	RO	0	43095
L L1 H PHASE 6	Line Current L1 Harmonic phase #6	float	RO	0	43097
L L1 H PHASE 7	Line Current L1 Harmonic phase #7	float	RO	0	43099
L L1 H PHASE 8	Line Current L1 Harmonic phase #8	float	RO	0	43101
L L1 H PHASE 9	Line Current L1 Harmonic phase #9	float	RO	0	43103
L L1 H PHASE 10	Line Current L1 Harmonic phase #10	float	RO	0	43105
L L1 H PHASE 11	Line Current L1 Harmonic phase #11	float	RO	0	43107
L L1 H PHASE 12	Line Current L1 Harmonic phase #12	float	RO	0	43109
L L1 H PHASE 13	Line Current L1 Harmonic phase #13	float	RO	0	43111
L L1 H PHASE 14	Line Current L1 Harmonic phase #14	float	RO	0	43113
L L1 H PHASE 15	Line Current L1 Harmonic phase #15	float	RO	0	43115
L L1 H PHASE 16	Line Current L1 Harmonic phase #16	float	RO	0	43117
L L1 H PHASE 17	Line Current L1 Harmonic phase #17	float	RO	0	43119
L L1 H PHASE 18	Line Current L1 Harmonic phase #18	float	RO	0	43121
L L1 H PHASE 19	Line Current L1 Harmonic phase #19	float	RO	0	43123
L L1 H PHASE 20	Line Current L1 Harmonic phase #20	float	RO	0	43125
L L1 H PHASE 21	Line Current L1 Harmonic phase #21	float	RO	0	43127
L L1 H PHASE 22	Line Current L1 Harmonic phase #22	float	RO	0	43129
L L1 H PHASE 23	Line Current L1 Harmonic phase #23	float	RO	0	43131
L L1 H PHASE 24	Line Current L1 Harmonic phase #24	float	RO	0	43133
L L1 H PHASE 25	Line Current L1 Harmonic phase #25	float	RO	0	43135
L L1 H PHASE 26	Line Current L1 Harmonic phase #26	float	RO	0	43137
L L1 H PHASE 27	Line Current L1 Harmonic phase #27	float	RO	0	43139
L L1 H PHASE 28	Line Current L1 Harmonic phase #28	float	RO	0	43141
L L1 H PHASE 29	Line Current L1 Harmonic phase #29	float	RO	0	43143
L L1 H PHASE 30	Line Current L1 Harmonic phase #30	float	RO	0	43145
L L1 H PHASE 31	Line Current L1 Harmonic phase #31	float	RO	0	43147
L L1 H PHASE 32	Line Current L1 Harmonic phase #32	float	RO	0	43149
L L1 H PHASE 33	Line Current L1 Harmonic phase #33	float	RO	0	43151
L L1 H PHASE 34	Line Current L1 Harmonic phase #34	float	RO	0	43153
L L1 H PHASE 35	Line Current L1 Harmonic phase #35	float	RO	0	43155
L L1 H PHASE 36	Line Current L1 Harmonic phase #36	float	RO	0	43157
L L1 H PHASE 37	Line Current L1 Harmonic phase #37	float	RO	0	43159
L L1 H PHASE 38	Line Current L1 Harmonic phase #38	float	RO	0	43161
L L1 H PHASE 39	Line Current L1 Harmonic phase #39	float	RO	0	43163
L L1 H PHASE 40	Line Current L1 Harmonic phase #40	float	RO	0	43165
L L1 H PHASE 41	Line Current L1 Harmonic phase #41	float	RO	0	43167
L L1 H PHASE 42	Line Current L1 Harmonic phase #42	float	RO	0	43169
L L1 H PHASE 43	Line Current L1 Harmonic phase #43	float	RO	0	43171
L L1 H PHASE 44	Line Current L1 Harmonic phase #44	float	RO	0	43173
L L1 H PHASE 45	Line Current L1 Harmonic phase #45	float	RO	0	43175
L L1 H PHASE 46	Line Current L1 Harmonic phase #46	float	RO	0	43177
L L1 H PHASE 47	Line Current L1 Harmonic phase #47	float	RO	0	43179
L L1 H PHASE 48	Line Current L1 Harmonic phase #48	float	RO	0	43181
L L1 H PHASE 49	Line Current L1 Harmonic phase #49	float	RO	0	43183
L L1 H PHASE 50	Line Current L1 Harmonic phase #50	float	RO	0	43185
L L1 H PHASE 51	Line Current L1 Harmonic phase #51	float	RO	0	43187
L L1 H PHASE 52	Line Current L1 Harmonic phase #52	float	RO	0	43189
L L1 H PHASE 53	Line Current L1 Harmonic phase #53	float	RO	0	43191
L L1 H PHASE 54	Line Current L1 Harmonic phase #54	float	RO	0	43193
L L1 H PHASE 55	Line Current L1 Harmonic phase #55	float	RO	0	43195
L L1 H PHASE 56	Line Current L1 Harmonic phase #56	float	RO	0	43197
L L1 H PHASE 57	Line Current L1 Harmonic phase #57	float	RO	0	43199
L L1 H PHASE 58	Line Current L1 Harmonic phase #58	float	RO	0	43201
L L1 H PHASE 59	Line Current L1 Harmonic phase #59	float	RO	0	43203
L L1 H PHASE 60	Line Current L1 Harmonic phase #60	float	RO	0	43205
L L1 H PHASE 61	Line Current L1 Harmonic phase #61	float	RO	0	43207
L L1 H PHASE 62	Line Current L1 Harmonic phase #62	float	RO	0	43209
L L1 H PHASE 63	Line Current L1 Harmonic phase #63	float	RO	0	43211
L L2 H AMPLITUDE 0	Line Current L2 Harmonic amplitude #0	float	RO	0	43213
L L2 H AMPLITUDE 1	Line Current L2 Harmonic amplitude #1	float	RO	0	43215
L L2 H AMPLITUDE 2	Line Current L2 Harmonic amplitude #2	float	RO	0	43217
L L2 H AMPLITUDE 3	Line Current L2 Harmonic amplitude #3	float	RO	0	43219
L L2 H AMPLITUDE 4	Line Current L2 Harmonic amplitude #4	float	RO	0	43221
L L2 H AMPLITUDE 5	Line Current L2 Harmonic amplitude #5	float	RO	0	43223
L L2 H AMPLITUDE 6	Line Current L2 Harmonic amplitude #6	float	RO	0	43225
L L2 H AMPLITUDE 7	Line Current L2 Harmonic amplitude #7	float	RO	0	43227
L L2 H AMPLITUDE 8	Line Current L2 Harmonic amplitude #8	float	RO	0	43229
L L2 H AMPLITUDE 9	Line Current L2 Harmonic amplitude #9	float	RO	0	43231
L L2 H AMPLITUDE 10	Line Current L2 Harmonic amplitude #10	float	RO	0	43233
L L2 H AMPLITUDE 11	Line Current L2 Harmonic amplitude #11	float	RO	0	43235
L L2 H AMPLITUDE 12	Line Current L2 Harmonic amplitude #12	float	RO	0	43237
L L2 H AMPLITUDE 13	Line Current L2 Harmonic amplitude #13	float	RO	0	43239
L L2 H AMPLITUDE 14	Line Current L2 Harmonic amplitude #14	float	RO	0	43241
L L2 H AMPLITUDE 15	Line Current L2 Harmonic amplitude #15	float	RO	0	43243
L L2 H AMPLITUDE 16	Line Current L2 Harmonic amplitude #16	float	RO	0	43245
L L2 H AMPLITUDE 17	Line Current L2 Harmonic amplitude #17	float	RO	0	43247
L L2 H AMPLITUDE 18	Line Current L2 Harmonic amplitude #18	float	RO	0	43249
L L2 H AMPLITUDE 19	Line Current L2 Harmonic amplitude #19	float	RO	0	43251
L L2 H AMPLITUDE 20	Line Current L2 Harmonic amplitude #20	float	RO	0	43253
L L2 H AMPLITUDE 21	Line Current L2 Harmonic amplitude #21	float	RO	0	43255
L L2 H AMPLITUDE 22	Line Current L2 Harmonic amplitude #22	float	RO	0	43257
L L2 H AMPLITUDE 23	Line Current L2 Harmonic amplitude #23	float	RO	0	43259
L L2 H AMPLITUDE 24	Line Current L2 Harmonic amplitude #24	float	RO	0	43261
L L2 H AMPLITUDE 25	Line Current L2 Harmonic amplitude #25	float	RO	0	43263
L L2 H AMPLITUDE 26	Line Current L2 Harmonic amplitude #26	float	RO	0	43265
L L2 H AMPLITUDE 27	Line Current L2 Harmonic amplitude #27	float	RO	0	43267

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

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Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
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 - R/W: Read and write

[illegible]

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

All versions

R/W legend:

- RO: Read only
- WO: Write only
- R/W: Read and write

Only FULL version

EMT130_MR Rev2



Register Name	Description	Register Type	R/W	Default	Modbus Address
I N IH AMPLITUDE 40	Line Current N InterHarmonic amplitude #40	float	RO	0	46365
I N IH AMPLITUDE 41	Line Current N InterHarmonic amplitude #41	float	RO	0	46367
I N IH AMPLITUDE 42	Line Current N InterHarmonic amplitude #42	float	RO	0	46369
I N IH AMPLITUDE 43	Line Current N InterHarmonic amplitude #43	float	RO	0	46371
I N IH AMPLITUDE 44	Line Current N InterHarmonic amplitude #44	float	RO	0	46373
I N IH AMPLITUDE 45	Line Current N InterHarmonic amplitude #45	float	RO	0	46375
I N IH AMPLITUDE 46	Line Current N InterHarmonic amplitude #46	float	RO	0	46377
I N IH AMPLITUDE 47	Line Current N InterHarmonic amplitude #47	float	RO	0	46379
I N IH AMPLITUDE 48	Line Current N InterHarmonic amplitude #48	float	RO	0	46381
I N IH AMPLITUDE 49	Line Current N InterHarmonic amplitude #49	float	RO	0	46383
I N IH AMPLITUDE 50	Line Current N InterHarmonic amplitude #50	float	RO	0	46385
I N IH AMPLITUDE 51	Line Current N InterHarmonic amplitude #51	float	RO	0	46387
I N IH AMPLITUDE 52	Line Current N InterHarmonic amplitude #52	float	RO	0	46389
I N IH AMPLITUDE 53	Line Current N InterHarmonic amplitude #53	float	RO	0	46391
I N IH AMPLITUDE 54	Line Current N InterHarmonic amplitude #54	float	RO	0	46393
I N IH AMPLITUDE 55	Line Current N InterHarmonic amplitude #55	float	RO	0	46395
I N IH AMPLITUDE 56	Line Current N InterHarmonic amplitude #56	float	RO	0	46397
I N IH AMPLITUDE 57	Line Current N InterHarmonic amplitude #57	float	RO	0	46399
I N IH AMPLITUDE 58	Line Current N InterHarmonic amplitude #58	float	RO	0	46401
I N IH AMPLITUDE 59	Line Current N InterHarmonic amplitude #59	float	RO	0	46403
I N IH AMPLITUDE 60	Line Current N InterHarmonic amplitude #60	float	RO	0	46405
I N IH AMPLITUDE 61	Line Current N InterHarmonic amplitude #61	float	RO	0	46407
I N IH AMPLITUDE 62	Line Current N InterHarmonic amplitude #62	float	RO	0	46409
I N IH AMPLITUDE 63	Line Current N InterHarmonic amplitude #63	float	RO	0	46411
I N IH PHASE 0	Line Current N InterHarmonic phase #0	float	RO	0	46413
I N IH PHASE 1	Line Current N InterHarmonic phase #1	float	RO	0	46415
I N IH PHASE 2	Line Current N InterHarmonic phase #2	float	RO	0	46417
I N IH PHASE 3	Line Current N InterHarmonic phase #3	float	RO	0	46419
I N IH PHASE 4	Line Current N InterHarmonic phase #4	float	RO	0	46421
I N IH PHASE 5	Line Current N InterHarmonic phase #5	float	RO	0	46423
I N IH PHASE 6	Line Current N InterHarmonic phase #6	float	RO	0	46425
I N IH PHASE 7	Line Current N InterHarmonic phase #7	float	RO	0	46427
I N IH PHASE 8	Line Current N InterHarmonic phase #8	float	RO	0	46429
I N IH PHASE 9	Line Current N InterHarmonic phase #9	float	RO	0	46431
I N IH PHASE 10	Line Current N InterHarmonic phase #10	float	RO	0	46433
I N IH PHASE 11	Line Current N InterHarmonic phase #11	float	RO	0	46435
I N IH PHASE 12	Line Current N InterHarmonic phase #12	float	RO	0	46437
I N IH PHASE 13	Line Current N InterHarmonic phase #13	float	RO	0	46439
I N IH PHASE 14	Line Current N InterHarmonic phase #14	float	RO	0	46441
I N IH PHASE 15	Line Current N InterHarmonic phase #15	float	RO	0	46443
I N IH PHASE 16	Line Current N InterHarmonic phase #16	float	RO	0	46445
I N IH PHASE 17	Line Current N InterHarmonic phase #17	float	RO	0	46447
I N IH PHASE 18	Line Current N InterHarmonic phase #18	float	RO	0	46449
I N IH PHASE 19	Line Current N InterHarmonic phase #19	float	RO	0	46451
I N IH PHASE 20	Line Current N InterHarmonic phase #20	float	RO	0	46453
I N IH PHASE 21	Line Current N InterHarmonic phase #21	float	RO	0	46455
I N IH PHASE 22	Line Current N InterHarmonic phase #22	float	RO	0	46457
I N IH PHASE 23	Line Current N InterHarmonic phase #23	float	RO	0	46459
I N IH PHASE 24	Line Current N InterHarmonic phase #24	float	RO	0	46461
I N IH PHASE 25	Line Current N InterHarmonic phase #25	float	RO	0	46463
I N IH PHASE 26	Line Current N InterHarmonic phase #26	float	RO	0	46465
I N IH PHASE 27	Line Current N InterHarmonic phase #27	float	RO	0	46467
I N IH PHASE 28	Line Current N InterHarmonic phase #28	float	RO	0	46469
I N IH PHASE 29	Line Current N InterHarmonic phase #29	float	RO	0	46471
I N IH PHASE 30	Line Current N InterHarmonic phase #30	float	RO	0	46473
I N IH PHASE 31	Line Current N InterHarmonic phase #31	float	RO	0	46475
I N IH PHASE 32	Line Current N InterHarmonic phase #32	float	RO	0	46477
I N IH PHASE 33	Line Current N InterHarmonic phase #33	float	RO	0	46479
I N IH PHASE 34	Line Current N InterHarmonic phase #34	float	RO	0	46481
I N IH PHASE 35	Line Current N InterHarmonic phase #35	float	RO	0	46483
I N IH PHASE 36	Line Current N InterHarmonic phase #36	float	RO	0	46485
I N IH PHASE 37	Line Current N InterHarmonic phase #37	float	RO	0	46487
I N IH PHASE 38	Line Current N InterHarmonic phase #38	float	RO	0	46489
I N IH PHASE 39	Line Current N InterHarmonic phase #39	float	RO	0	46491
I N IH PHASE 40	Line Current N InterHarmonic phase #40	float	RO	0	46493
I N IH PHASE 41	Line Current N InterHarmonic phase #41	float	RO	0	46495
I N IH PHASE 42	Line Current N InterHarmonic phase #42	float	RO	0	46497
I N IH PHASE 43	Line Current N InterHarmonic phase #43	float	RO	0	46499
I N IH PHASE 44	Line Current N InterHarmonic phase #44	float	RO	0	46501
I N IH PHASE 45	Line Current N InterHarmonic phase #45	float	RO	0	46503
I N IH PHASE 46	Line Current N InterHarmonic phase #46	float	RO	0	46505
I N IH PHASE 47	Line Current N InterHarmonic phase #47	float	RO	0	46507
I N IH PHASE 48	Line Current N InterHarmonic phase #48	float	RO	0	46509
I N IH PHASE 49	Line Current N InterHarmonic phase #49	float	RO	0	46511
I N IH PHASE 50	Line Current N InterHarmonic phase #50	float	RO	0	46513
I N IH PHASE 51	Line Current N InterHarmonic phase #51	float	RO	0	46515
I N IH PHASE 52	Line Current N InterHarmonic phase #52	float	RO	0	46517
I N IH PHASE 53	Line Current N InterHarmonic phase #53	float	RO	0	46519
I N IH PHASE 54	Line Current N InterHarmonic phase #54	float	RO	0	46521
I N IH PHASE 55	Line Current N InterHarmonic phase #55	float	RO	0	46523
I N IH PHASE 56	Line Current N InterHarmonic phase #56	float	RO	0	46525
I N IH PHASE 57	Line Current N InterHarmonic phase #57	float	RO	0	46527
I N IH PHASE 58	Line Current N InterHarmonic phase #58	float	RO	0	46529
I N IH PHASE 59	Line Current N InterHarmonic phase #59	float	RO	0	46531
I N IH PHASE 60	Line Current N InterHarmonic phase #60	float	RO	0	46533
I N IH PHASE 61	Line Current N InterHarmonic phase #61	float	RO	0	46535
I N IH PHASE 62	Line Current N InterHarmonic phase #62	float	RO	0	46537
I N IH PHASE 63	Line Current N InterHarmonic phase #63	float	RO	0	46539
Power quality					
V SAG VALUE N 0	Voltage Sag RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-0	float	RO	0	46541
V SAG YEAR N 0	Voltage Sag Year @ n-0	unsigned short	RO	0	46543
V SAG MONTH N 0	Voltage Sag Month @ n-0	unsigned short	RO	0	46544
V SAG DAY N 0	Voltage Sag Day @ n-0	unsigned short	RO	0	46545
V SAG HOUR N 0	Voltage Sag Hour @ n-0	unsigned short	RO	0	46546
V SAG MINUTE N 0	Voltage Sag Minute @ n-0	unsigned short	RO	0	46547
V_SAG_SECOND_N_0	Voltage Sag Second @ n-0	unsigned short	RO	0	46548
V SAG DURATION N 0	Voltage Sag Duration [ms] @ n-0	unsigned short	RO	0	46549
V_SAG_QUERY_N_0	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46550
V SAG VALUE N 1	Voltage Sag RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-1	float	RO	0	46551
V SAG YEAR N 1	Voltage Sag Year @ n-1	unsigned short	RO	0	46553
V SAG MONTH N 1	Voltage Sag Month @ n-1	unsigned short	RO	0	46554
V SAG DAY N 1	Voltage Sag Day @ n-1	unsigned short	RO	0	46555
V_SAG_HOUR_N_1	Voltage Sag Hour @ n-1	unsigned short	RO	0	46556
V SAG MINUTE N 1	Voltage Sag Minute @ n-1	unsigned short	RO	0	46557
V SAG SECOND N 1	Voltage Sag Second @ n-1	unsigned short	RO	0	46558
V SAG DURATION N 1	Voltage Sag Duration [ms] @ n-1	unsigned short	RO	0	46559
V_SAG_QUERY_N_1	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46560
V SAG VALUE N 2	Voltage Sag RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-2	float	RO	0	46561
V SAG YEAR N 2	Voltage Sag Year @ n-2	unsigned short	RO	0	46563
V_SAG_MONTH_N_2	Voltage Sag Month @ n-2	unsigned short	RO	0	46564

	All versions
	Only FULL version

R/W legend:

- RO: Read only
- WO: Write only
- R/W: Read and write

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Register Name	Description	Register Type	R/W	Default	Modbus Address
V_SAG_DAY_N_2	Voltage Sag Day @ n-2	unsigned short	RO	0	46565
V_SAG_HOUR_N_2	Voltage Sag Hour @ n-2	unsigned short	RO	0	46566
V_SAG_MINUTE_N_2	Voltage Sag Minute @ n-2	unsigned short	RO	0	46567
V_SAG_SECOND_N_2	Voltage Sag Second @ n-2	unsigned short	RO	0	46568
V_SAG_DURATION_N_2	Voltage Sag Duration [ms] @ n-2	unsigned short	RO	0	46569
V_SAG_QUERY_N_2	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46570
V_SAG_VALUE_N_3	Voltage Sag RMS Value (between 10% and 90% "Nominal_Star_Voltage") @ n-3	float	RO	0	46571
V_SAG_YEAR_N_3	Voltage Sag Year @ n-3	unsigned short	RO	0	46573
V_SAG_MONTH_N_3	Voltage Sag Month @ n-3	unsigned short	RO	0	46574
V_SAG_DAY_N_3	Voltage Sag Day @ n-3	unsigned short	RO	0	46575
V_SAG_HOUR_N_3	Voltage Sag Hour @ n-3	unsigned short	RO	0	46576
V_SAG_MINUTE_N_3	Voltage Sag Minute @ n-3	unsigned short	RO	0	46577
V_SAG_SECOND_N_3	Voltage Sag Second @ n-3	unsigned short	RO	0	46578
V_SAG_DURATION_N_3	Voltage Sag Duration [ms] @ n-3	unsigned short	RO	0	46579
V_SAG_QUERY_N_3	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46580
V_SAG_VALUE_N_4	Voltage Sag RMS Value (between 10% and 90% "Nominal_Star_Voltage") @ n-4	float	RO	0	46581
V_SAG_YEAR_N_4	Voltage Sag Year @ n-4	unsigned short	RO	0	46583
V_SAG_MONTH_N_4	Voltage Sag Month @ n-4	unsigned short	RO	0	46584
V_SAG_DAY_N_4	Voltage Sag Day @ n-4	unsigned short	RO	0	46585
V_SAG_HOUR_N_4	Voltage Sag Hour @ n-4	unsigned short	RO	0	46586
V_SAG_MINUTE_N_4	Voltage Sag Minute @ n-4	unsigned short	RO	0	46587
V_SAG_SECOND_N_4	Voltage Sag Second @ n-4	unsigned short	RO	0	46588
V_SAG_DURATION_N_4	Voltage Sag Duration [ms] @ n-4	unsigned short	RO	0	46589
V_SAG_QUERY_N_4	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46590
V_SAG_VALUE_N_5	Voltage Sag RMS Value (between 10% and 90% "Nominal_Star_Voltage") @ n-5	float	RO	0	46591
V_SAG_YEAR_N_5	Voltage Sag Year @ n-5	unsigned short	RO	0	46593
V_SAG_MONTH_N_5	Voltage Sag Month @ n-5	unsigned short	RO	0	46594
V_SAG_DAY_N_5	Voltage Sag Day @ n-5	unsigned short	RO	0	46595
V_SAG_HOUR_N_5	Voltage Sag Hour @ n-5	unsigned short	RO	0	46596
V_SAG_MINUTE_N_5	Voltage Sag Minute @ n-5	unsigned short	RO	0	46597
V_SAG_SECOND_N_5	Voltage Sag Second @ n-5	unsigned short	RO	0	46598
V_SAG_DURATION_N_5	Voltage Sag Duration [ms] @ n-5	unsigned short	RO	0	46599
V_SAG_QUERY_N_5	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46600
V_SAG_VALUE_N_6	Voltage Sag RMS Value (between 10% and 90% "Nominal_Star_Voltage") @ n-6	float	RO	0	46601
V_SAG_YEAR_N_6	Voltage Sag Year @ n-6	unsigned short	RO	0	46603
V_SAG_MONTH_N_6	Voltage Sag Month @ n-6	unsigned short	RO	0	46604
V_SAG_DAY_N_6	Voltage Sag Day @ n-6	unsigned short	RO	0	46605
V_SAG_HOUR_N_6	Voltage Sag Hour @ n-6	unsigned short	RO	0	46606
V_SAG_MINUTE_N_6	Voltage Sag Minute @ n-6	unsigned short	RO	0	46607
V_SAG_SECOND_N_6	Voltage Sag Second @ n-6	unsigned short	RO	0	46608
V_SAG_DURATION_N_6	Voltage Sag Duration [ms] @ n-6	unsigned short	RO	0	46609
V_SAG_QUERY_N_6	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46610
V_SAG_VALUE_N_7	Voltage Sag RMS Value (between 10% and 90% "Nominal_Star_Voltage") @ n-7	float	RO	0	46611
V_SAG_YEAR_N_7	Voltage Sag Year @ n-7	unsigned short	RO	0	46613
V_SAG_MONTH_N_7	Voltage Sag Month @ n-7	unsigned short	RO	0	46614
V_SAG_DAY_N_7	Voltage Sag Day @ n-7	unsigned short	RO	0	46615
V_SAG_HOUR_N_7	Voltage Sag Hour @ n-7	unsigned short	RO	0	46616
V_SAG_MINUTE_N_7	Voltage Sag Minute @ n-7	unsigned short	RO	0	46617
V_SAG_SECOND_N_7	Voltage Sag Second @ n-7	unsigned short	RO	0	46618
V_SAG_DURATION_N_7	Voltage Sag Duration [ms] @ n-7	unsigned short	RO	0	46619
V_SAG_QUERY_N_7	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46620
V_SAG_VALUE_N_8	Voltage Sag RMS Value (between 10% and 90% "Nominal_Star_Voltage") @ n-8	float	RO	0	46621
V_SAG_YEAR_N_8	Voltage Sag Year @ n-8	unsigned short	RO	0	46623
V_SAG_MONTH_N_8	Voltage Sag Month @ n-8	unsigned short	RO	0	46624
V_SAG_DAY_N_8	Voltage Sag Day @ n-8	unsigned short	RO	0	46625
V_SAG_HOUR_N_8	Voltage Sag Hour @ n-8	unsigned short	RO	0	46626
V_SAG_MINUTE_N_8	Voltage Sag Minute @ n-8	unsigned short	RO	0	46627
V_SAG_SECOND_N_8	Voltage Sag Second @ n-8	unsigned short	RO	0	46628
V_SAG_DURATION_N_8	Voltage Sag Duration [ms] @ n-8	unsigned short	RO	0	46629
V_SAG_QUERY_N_8	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46630
V_SAG_VALUE_N_9	Voltage Sag RMS Value (between 10% and 90% "Nominal_Star_Voltage") @ n-9	float	RO	0	46631
V_SAG_YEAR_N_9	Voltage Sag Year @ n-9	unsigned short	RO	0	46633
V_SAG_MONTH_N_9	Voltage Sag Month @ n-9	unsigned short	RO	0	46634
V_SAG_DAY_N_9	Voltage Sag Day @ n-9	unsigned short	RO	0	46635

	All versions
	Only FULL version

R/W legend:

- RO: Read only
- WO: Write only
- R/W: Read and write

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Register Name	Description	Register Type	R/W	Default	Modbus Address
V_SAG_HOUR_N_9	Voltage Sag Hour @ n-9	unsigned short	RO	0	46636
V_SAG_MINUTE_N_9	Voltage Sag Minute @ n-9	unsigned short	RO	0	46637
V_SAG_SECOND_N_9	Voltage Sag Second @ n-9	unsigned short	RO	0	46638
V_SAG_DURATION_N_9	Voltage Sag Duration [ms] @ n-9	unsigned short	RO	0	46639
V_SAG_QUERY_N_9	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46640
V_SAG_VALUE_EEPROM	Voltage Sag RMS Value (between 10% and 90% "Nominal Star Voltage") EEPROM data	float	RO	0	46641
V_SAG_YEAR_EEPROM	Voltage Sag Year EEPROM data	unsigned short	RO	0	46643
V_SAG_MONTH_EEPROM	Voltage Sag Month EEPROM data	unsigned short	RO	0	46644
V_SAG_DAY_EEPROM	Voltage Sag Day EEPROM data	unsigned short	RO	0	46645
V_SAG_HOUR_EEPROM	Voltage Sag Hour EEPROM data	unsigned short	RO	0	46646
V_SAG_MINUTE_EEPROM	Voltage Sag Minute EEPROM data	unsigned short	RO	0	46647
V_SAG_SECOND_EEPROM	Voltage Sag Second EEPROM data	unsigned short	RO	0	46648
V_SAG_DURATION_EEPROM	Voltage Sag Duration [ms] EEPROM data	unsigned short	RO	0	46649
V_SAG_QUERY_EEPROM	// Voltage Sag Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46650
V_SWELL_VALUE_N_0	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-0	float	RO	0	46651
V_SWELL_YEAR_N_0	Voltage Swell Year @ n-0	unsigned short	RO	0	46653
V_SWELL_MONTH_N_0	Voltage Swell Month @ n-0	unsigned short	RO	0	46654
V_SWELL_DAY_N_0	Voltage Swell Day @ n-0	unsigned short	RO	0	46655
V_SWELL_HOUR_N_0	Voltage Swell Hour @ n-0	unsigned short	RO	0	46656
V_SWELL_MINUTE_N_0	Voltage Swell Minute @ n-0	unsigned short	RO	0	46657
V_SWELL_SECOND_N_0	Voltage Swell Second @ n-0	unsigned short	RO	0	46658
V_SWELL_DURATION_N_0	Voltage Swell Duration [ms] @ n-0	unsigned short	RO	0	46659
V_SWELL_QUERY_N_0	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46660
V_SWELL_VALUE_N_1	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-1	float	RO	0	46661
V_SWELL_YEAR_N_1	Voltage Swell Year @ n-1	unsigned short	RO	0	46663
V_SWELL_MONTH_N_1	Voltage Swell Month @ n-1	unsigned short	RO	0	46664
V_SWELL_DAY_N_1	Voltage Swell Day @ n-1	unsigned short	RO	0	46665
V_SWELL_HOUR_N_1	Voltage Swell Hour @ n-1	unsigned short	RO	0	46666
V_SWELL_MINUTE_N_1	Voltage Swell Minute @ n-1	unsigned short	RO	0	46667
V_SWELL_SECOND_N_1	Voltage Swell Second @ n-1	unsigned short	RO	0	46668
V_SWELL_DURATION_N_1	Voltage Swell Duration [ms] @ n-1	unsigned short	RO	0	46669
V_SWELL_QUERY_N_1	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46670
V_SWELL_VALUE_N_2	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-2	float	RO	0	46671
V_SWELL_YEAR_N_2	Voltage Swell Year @ n-2	unsigned short	RO	0	46673
V_SWELL_MONTH_N_2	Voltage Swell Month @ n-2	unsigned short	RO	0	46674
V_SWELL_DAY_N_2	Voltage Swell Day @ n-2	unsigned short	RO	0	46675
V_SWELL_HOUR_N_2	Voltage Swell Hour @ n-2	unsigned short	RO	0	46676
V_SWELL_MINUTE_N_2	Voltage Swell Minute @ n-2	unsigned short	RO	0	46677
V_SWELL_SECOND_N_2	Voltage Swell Second @ n-2	unsigned short	RO	0	46678
V_SWELL_DURATION_N_2	Voltage Swell Duration [ms] @ n-2	unsigned short	RO	0	46679
V_SWELL_QUERY_N_2	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46680
V_SWELL_VALUE_N_3	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-3	float	RO	0	46681
V_SWELL_YEAR_N_3	Voltage Swell Year @ n-3	unsigned short	RO	0	46683
V_SWELL_MONTH_N_3	Voltage Swell Month @ n-3	unsigned short	RO	0	46684
V_SWELL_DAY_N_3	Voltage Swell Day @ n-3	unsigned short	RO	0	46685
V_SWELL_HOUR_N_3	Voltage Swell Hour @ n-3	unsigned short	RO	0	46686
V_SWELL_MINUTE_N_3	Voltage Swell Minute @ n-3	unsigned short	RO	0	46687
V_SWELL_SECOND_N_3	Voltage Swell Second @ n-3	unsigned short	RO	0	46688
V_SWELL_DURATION_N_3	Voltage Swell Duration [ms] @ n-3	unsigned short	RO	0	46689
V_SWELL_QUERY_N_3	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46690
V_SWELL_VALUE_N_4	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-4	float	RO	0	46691
V_SWELL_YEAR_N_4	Voltage Swell Year @ n-4	unsigned short	RO	0	46693
V_SWELL_MONTH_N_4	Voltage Swell Month @ n-4	unsigned short	RO	0	46694
V_SWELL_DAY_N_4	Voltage Swell Day @ n-4	unsigned short	RO	0	46695
V_SWELL_HOUR_N_4	Voltage Swell Hour @ n-4	unsigned short	RO	0	46696
V_SWELL_MINUTE_N_4	Voltage Swell Minute @ n-4	unsigned short	RO	0	46697
V_SWELL_SECOND_N_4	Voltage Swell Second @ n-4	unsigned short	RO	0	46698
V_SWELL_DURATION_N_4	Voltage Swell Duration [ms] @ n-4	unsigned short	RO	0	46699
V_SWELL_QUERY_N_4	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46700
V_SWELL_VALUE_N_5	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-5	float	RO	0	46701
V_SWELL_YEAR_N_5	Voltage Swell Year @ n-5	unsigned short	RO	0	46703
V_SWELL_MONTH_N_5	Voltage Swell Month @ n-5	unsigned short	RO	0	46704
V_SWELL_DAY_N_5	Voltage Swell Day @ n-5	unsigned short	RO	0	46705
V_SWELL_HOUR_N_5	Voltage Swell Hour @ n-5	unsigned short	RO	0	46706
V_SWELL_MINUTE_N_5	Voltage Swell Minute @ n-5	unsigned short	RO	0	46707
V_SWELL_SECOND_N_5	Voltage Swell Second @ n-5	unsigned short	RO	0	46708
V_SWELL_DURATION_N_5	Voltage Swell Duration [ms] @ n-5	unsigned short	RO	0	46709

Register Name	Description	Register Type	R/W	Default	Modbus Address
V_SWELL_QUERY_N_5	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46710
V_SWELL_VALUE_N_6	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-6	float	RO	0	46711
V_SWELL_YEAR_N_6	Voltage Swell Year @ n-6	unsigned short	RO	0	46713
V_SWELL_MONTH_N_6	Voltage Swell Month @ n-6	unsigned short	RO	0	46714
V_SWELL_DAY_N_6	Voltage Swell Day @ n-6	unsigned short	RO	0	46715
V_SWELL_HOUR_N_6	Voltage Swell Hour @ n-6	unsigned short	RO	0	46716
V_SWELL_MINUTE_N_6	Voltage Swell Minute @ n-6	unsigned short	RO	0	46717
V_SWELL_SECOND_N_6	Voltage Swell Second @ n-6	unsigned short	RO	0	46718
V_SWELL_DURATION_N_6	Voltage Swell Duration [ms] @ n-6	unsigned short	RO	0	46719
V_SWELL_QUERY_N_6	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46720
V_SWELL_VALUE_N_7	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-7	float	RO	0	46721
V_SWELL_YEAR_N_7	Voltage Swell Year @ n-7	unsigned short	RO	0	46723
V_SWELL_MONTH_N_7	Voltage Swell Month @ n-7	unsigned short	RO	0	46724
V_SWELL_DAY_N_7	Voltage Swell Day @ n-7	unsigned short	RO	0	46725
V_SWELL_HOUR_N_7	Voltage Swell Hour @ n-7	unsigned short	RO	0	46726
V_SWELL_MINUTE_N_7	Voltage Swell Minute @ n-7	unsigned short	RO	0	46727
V_SWELL_SECOND_N_7	Voltage Swell Second @ n-7	unsigned short	RO	0	46728
V_SWELL_DURATION_N_7	Voltage Swell Duration [ms] @ n-7	unsigned short	RO	0	46729
V_SWELL_QUERY_N_7	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46730
V_SWELL_VALUE_N_8	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-8	float	RO	0	46731
V_SWELL_YEAR_N_8	Voltage Swell Year @ n-8	unsigned short	RO	0	46733
V_SWELL_MONTH_N_8	Voltage Swell Month @ n-8	unsigned short	RO	0	46734
V_SWELL_DAY_N_8	Voltage Swell Day @ n-8	unsigned short	RO	0	46735
V_SWELL_HOUR_N_8	Voltage Swell Hour @ n-8	unsigned short	RO	0	46736
V_SWELL_MINUTE_N_8	Voltage Swell Minute @ n-8	unsigned short	RO	0	46737
V_SWELL_SECOND_N_8	Voltage Swell Second @ n-8	unsigned short	RO	0	46738
V_SWELL_DURATION_N_8	Voltage Swell Duration [ms] @ n-8	unsigned short	RO	0	46739
V_SWELL_QUERY_N_8	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46740
V_SWELL_VALUE_N_9	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-9	float	RO	0	46741
V_SWELL_YEAR_N_9	Voltage Swell Year @ n-9	unsigned short	RO	0	46743
V_SWELL_MONTH_N_9	Voltage Swell Month @ n-9	unsigned short	RO	0	46744
V_SWELL_DAY_N_9	Voltage Swell Day @ n-9	unsigned short	RO	0	46745
V_SWELL_HOUR_N_9	Voltage Swell Hour @ n-9	unsigned short	RO	0	46746
V_SWELL_MINUTE_N_9	Voltage Swell Minute @ n-9	unsigned short	RO	0	46747
V_SWELL_SECOND_N_9	Voltage Swell Second @ n-9	unsigned short	RO	0	46748
V_SWELL_DURATION_N_9	Voltage Swell Duration [ms] @ n-9	unsigned short	RO	0	46749
V_SWELL_QUERY_N_9	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46750
V_SWELL_VALUE_EEPROM	Voltage Swell RMS Value (between 10% and 90% "Nominal Star Voltage") EEPROM data	float	RO	0	46751
V_SWELL_YEAR_EEPROM	Voltage Swell Year EEPROM data	unsigned short	RO	0	46753
V_SWELL_MONTH_EEPROM	Voltage Swell Month EEPROM data	unsigned short	RO	0	46754
V_SWELL_DAY_EEPROM	Voltage Swell Day EEPROM data	unsigned short	RO	0	46755
V_SWELL_HOUR_EEPROM	Voltage Swell Hour EEPROM data	unsigned short	RO	0	46756
V_SWELL_MINUTE_EEPROM	Voltage Swell Minute EEPROM data	unsigned short	RO	0	46757
V_SWELL_SECOND_EEPROM	Voltage Swell Second EEPROM data	unsigned short	RO	0	46758
V_SWELL_DURATION_EEPROM	Voltage Swell Duration [ms] EEPROM data	unsigned short	RO	0	46759
V_SWELL_QUERY_EEPROM	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46760
V_INTERRUPT_VALUE_N_0	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-0	float	RO	0	46761
V_INTERRUPT_YEAR_N_0	Voltage Interruption Year @ n-0	unsigned short	RO	0	46763
V_INTERRUPT_MONTH_N_0	Voltage Interruption Month @ n-0	unsigned short	RO	0	46764
V_INTERRUPT_DAY_N_0	Voltage Interruption Day @ n-0	unsigned short	RO	0	46765
V_INTERRUPT_HOUR_N_0	Voltage Interruption Hour @ n-0	unsigned short	RO	0	46766
V_INTERRUPT_MINUTE_N_0	Voltage Interruption Minute @ n-0	unsigned short	RO	0	46767
V_INTERRUPT_SECOND_N_0	Voltage Interruption Second @ n-0	unsigned short	RO	0	46768
V_INTERRUPT_DURATION_N_0	Voltage Interruption Duration [ms] @ n-0	unsigned short	RO	0	46769
V_INTERRUPT_QUERY_N_0	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46770
V_INTERRUPT_VALUE_N_1	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-1	float	RO	0	46771
V_INTERRUPT_YEAR_N_1	Voltage Interruption Year @ n-1	unsigned short	RO	0	46773
V_INTERRUPT_MONTH_N_1	Voltage Interruption Month @ n-1	unsigned short	RO	0	46774
V_INTERRUPT_DAY_N_1	Voltage Interruption Day @ n-1	unsigned short	RO	0	46775
V_INTERRUPT_HOUR_N_1	Voltage Interruption Hour @ n-1	unsigned short	RO	0	46776
V_INTERRUPT_MINUTE_N_1	Voltage Interruption Minute @ n-1	unsigned short	RO	0	46777
V_INTERRUPT_SECOND_N_1	Voltage Interruption Second @ n-1	unsigned short	RO	0	46778
V_INTERRUPT_DURATION_N_1	Voltage Interruption Duration [ms] @ n-1	unsigned short	RO	0	46779
V_INTERRUPT_QUERY_N_1	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46780
V_INTERRUPT_VALUE_N_2	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-2	float	RO	0	46781

	All versions
	Only FULL version

R/W legend:

- RO: Read only
- WO: Write only
- R/W: Read and write

EMT130_MR Rev2



Register Name	Description	Register Type	R/W	Default	Modbus Address
V_INTERRUPT_YEAR_N_2	Voltage Interruption Year @ n-2	unsigned short	RO	0	46783
V_INTERRUPT_MONTH_N_2	Voltage Interruption Month @ n-2	unsigned short	RO	0	46784
V_INTERRUPT_DAY_N_2	Voltage Interruption Day @ n-2	unsigned short	RO	0	46785
V_INTERRUPT_HOUR_N_2	Voltage Interruption Hour @ n-2	unsigned short	RO	0	46786
V_INTERRUPT_MINUTE_N_2	Voltage Interruption Minute @ n-2	unsigned short	RO	0	46787
V_INTERRUPT_SECOND_N_2	Voltage Interruption Second @ n-2	unsigned short	RO	0	46788
V_INTERRUPT_DURATION_N_2	Voltage Interruption Duration [ms] @ n-2	unsigned short	RO	0	46789
V_INTERRUPT_QUERY_N_2	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46790
V_INTERRUPT_VALUE_N_3	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-3	float	RO	0	46791
V_INTERRUPT_YEAR_N_3	Voltage Interruption Year @ n-3	unsigned short	RO	0	46793
V_INTERRUPT_MONTH_N_3	Voltage Interruption Month @ n-3	unsigned short	RO	0	46794
V_INTERRUPT_DAY_N_3	Voltage Interruption Day @ n-3	unsigned short	RO	0	46795
V_INTERRUPT_HOUR_N_3	Voltage Interruption Hour @ n-3	unsigned short	RO	0	46796
V_INTERRUPT_MINUTE_N_3	Voltage Interruption Minute @ n-3	unsigned short	RO	0	46797
V_INTERRUPT_SECOND_N_3	Voltage Interruption Second @ n-3	unsigned short	RO	0	46798
V_INTERRUPT_DURATION_N_3	Voltage Interruption Duration [ms] @ n-3	unsigned short	RO	0	46799
V_INTERRUPT_QUERY_N_3	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46800
V_INTERRUPT_VALUE_N_4	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-4	float	RO	0	46801
V_INTERRUPT_YEAR_N_4	Voltage Interruption Year @ n-4	unsigned short	RO	0	46803
V_INTERRUPT_MONTH_N_4	Voltage Interruption Month @ n-4	unsigned short	RO	0	46804
V_INTERRUPT_DAY_N_4	Voltage Interruption Day @ n-4	unsigned short	RO	0	46805
V_INTERRUPT_HOUR_N_4	Voltage Interruption Hour @ n-4	unsigned short	RO	0	46806
V_INTERRUPT_MINUTE_N_4	Voltage Interruption Minute @ n-4	unsigned short	RO	0	46807
V_INTERRUPT_SECOND_N_4	Voltage Interruption Second @ n-4	unsigned short	RO	0	46808
V_INTERRUPT_DURATION_N_4	Voltage Interruption Duration [ms] @ n-4	unsigned short	RO	0	46809
V_INTERRUPT_QUERY_N_4	// Voltage Swell Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46810
V_INTERRUPT_VALUE_N_5	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-5	float	RO	0	46811
V_INTERRUPT_YEAR_N_5	Voltage Interruption Year @ n-5	unsigned short	RO	0	46813
V_INTERRUPT_MONTH_N_5	Voltage Interruption Month @ n-5	unsigned short	RO	0	46814
V_INTERRUPT_DAY_N_5	Voltage Interruption Day @ n-5	unsigned short	RO	0	46815
V_INTERRUPT_HOUR_N_5	Voltage Interruption Hour @ n-5	unsigned short	RO	0	46816
V_INTERRUPT_MINUTE_N_5	Voltage Interruption Minute @ n-5	unsigned short	RO	0	46817
V_INTERRUPT_SECOND_N_5	Voltage Interruption Second @ n-5	unsigned short	RO	0	46818
V_INTERRUPT_DURATION_N_5	Voltage Interruption Duration [ms] @ n-5	unsigned short	RO	0	46819
V_INTERRUPT_QUERY_N_5	// Voltage Interruption Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46820
V_INTERRUPT_VALUE_N_6	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-6	float	RO	0	46821
V_INTERRUPT_YEAR_N_6	Voltage Interruption Year @ n-6	unsigned short	RO	0	46823
V_INTERRUPT_MONTH_N_6	Voltage Interruption Month @ n-6	unsigned short	RO	0	46824
V_INTERRUPT_DAY_N_6	Voltage Interruption Day @ n-6	unsigned short	RO	0	46825
V_INTERRUPT_HOUR_N_6	Voltage Interruption Hour @ n-6	unsigned short	RO	0	46826
V_INTERRUPT_MINUTE_N_6	Voltage Interruption Minute @ n-6	unsigned short	RO	0	46827
V_INTERRUPT_SECOND_N_6	Voltage Interruption Second @ n-6	unsigned short	RO	0	46828
V_INTERRUPT_DURATION_N_6	Voltage Interruption Duration [ms] @ n-6	unsigned short	RO	0	46829
V_INTERRUPT_QUERY_N_6	// Voltage Interruption Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46830
V_INTERRUPT_VALUE_N_7	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-7	float	RO	0	46831
V_INTERRUPT_YEAR_N_7	Voltage Interruption Year @ n-7	unsigned short	RO	0	46833
V_INTERRUPT_MONTH_N_7	Voltage Interruption Month @ n-7	unsigned short	RO	0	46834
V_INTERRUPT_DAY_N_7	Voltage Interruption Day @ n-7	unsigned short	RO	0	46835
V_INTERRUPT_HOUR_N_7	Voltage Interruption Hour @ n-7	unsigned short	RO	0	46836
V_INTERRUPT_MINUTE_N_7	Voltage Interruption Minute @ n-7	unsigned short	RO	0	46837
V_INTERRUPT_SECOND_N_7	Voltage Interruption Second @ n-7	unsigned short	RO	0	46838
V_INTERRUPT_DURATION_N_7	Voltage Interruption Duration [ms] @ n-7	unsigned short	RO	0	46839
V_INTERRUPT_QUERY_N_7	// Voltage Interruption Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46840
V_INTERRUPT_VALUE_N_8	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-8	float	RO	0	46841
V_INTERRUPT_YEAR_N_8	Voltage Interruption Year @ n-8	unsigned short	RO	0	46843
V_INTERRUPT_MONTH_N_8	Voltage Interruption Month @ n-8	unsigned short	RO	0	46844
V_INTERRUPT_DAY_N_8	Voltage Interruption Day @ n-8	unsigned short	RO	0	46845
V_INTERRUPT_HOUR_N_8	Voltage Interruption Hour @ n-8	unsigned short	RO	0	46846
V_INTERRUPT_MINUTE_N_8	Voltage Interruption Minute @ n-8	unsigned short	RO	0	46847
V_INTERRUPT_SECOND_N_8	Voltage Interruption Second @ n-8	unsigned short	RO	0	46848
V_INTERRUPT_DURATION_N_8	Voltage Interruption Duration [ms] @ n-8	unsigned short	RO	0	46849
V_INTERRUPT_QUERY_N_8	// Voltage Interruption Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46850
V_INTERRUPT_VALUE_N_9	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-9	float	RO	0	46851
V_INTERRUPT_YEAR_N_9	Voltage Interruption Year @ n-9	unsigned short	RO	0	46853
V_INTERRUPT_MONTH_N_9	Voltage Interruption Month @ n-9	unsigned short	RO	0	46854
V_INTERRUPT_DAY_N_9	Voltage Interruption Day @ n-9	unsigned short	RO	0	46855
V_INTERRUPT_HOUR_N_9	Voltage Interruption Hour @ n-9	unsigned short	RO	0	46856
V_INTERRUPT_MINUTE_N_9	Voltage Interruption Minute @ n-9	unsigned short	RO	0	46857
V_INTERRUPT_SECOND_N_9	Voltage Interruption Second @ n-9	unsigned short	RO	0	46858
V_INTERRUPT_DURATION_N_9	Voltage Interruption Duration [ms] @ n-9	unsigned short	RO	0	46859

Register Name	Description	Register Type	R/W	Default	Modbus Address
V_INTERRUPT_QUERY_N_9	// Voltage Interruption Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46860
V_INTERRUPT_VALUE_EEPROM	Voltage Interruption RMS Value (between 10% and 90% "Nominal Star Voltage") EEPROM data	float	RO	0	46861
V_INTERRUPT_YEAR_EEPROM	Voltage Interruption Year EEPROM data	unsigned short	RO	0	46863
V_INTERRUPT_MONTH_EEPROM	Voltage Interruption Month EEPROM data	unsigned short	RO	0	46864
V_INTERRUPT_DAY_EEPROM	Voltage Interruption Day EEPROM data	unsigned short	RO	0	46865
V_INTERRUPT_HOUR_EEPROM	Voltage Interruption Hour EEPROM data	unsigned short	RO	0	46866
V_INTERRUPT_MINUTE_EEPROM	Voltage Interruption Minute EEPROM data	unsigned short	RO	0	46867
V_INTERRUPT_SECOND_EEPROM	Voltage Interruption Second EEPROM data	unsigned short	RO	0	46868
V_INTERRUPT_DURATION_EEPROM	Voltage Interruption Duration (ms) EEPROM data	unsigned short	RO	0	46869
V_INTERRUPT_QUERY_EEPROM	// Voltage Interruption Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46870
V_FLICKER_VALUE_N_0	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-0	float	RO	0	46871
V_FLICKER_YEAR_N_0	Voltage Flicker Year @ n-0	unsigned short	RO	0	46873
V_FLICKER_MONTH_N_0	Voltage Flicker Month @ n-0	unsigned short	RO	0	46874
V_FLICKER_DAY_N_0	Voltage Flicker Day @ n-0	unsigned short	RO	0	46875
V_FLICKER_HOUR_N_0	Voltage Flicker Hour @ n-0	unsigned short	RO	0	46876
V_FLICKER_MINUTE_N_0	Voltage Flicker Minute @ n-0	unsigned short	RO	0	46877
V_FLICKER_SECOND_N_0	Voltage Flicker Second @ n-0	unsigned short	RO	0	46878
V_FLICKER_REPETITION_N_0	Voltage Flicker Repetition (ms) @ n-0	unsigned short	RO	0	46879
V_FLICKER_QUERY_N_0	// Voltage Interruption Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46880
V_FLICKER_VALUE_N_1	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-1	float	RO	0	46881
V_FLICKER_YEAR_N_1	Voltage Flicker Year @ n-1	unsigned short	RO	0	46883
V_FLICKER_MONTH_N_1	Voltage Flicker Month @ n-1	unsigned short	RO	0	46884
V_FLICKER_DAY_N_1	Voltage Flicker Day @ n-1	unsigned short	RO	0	46885
V_FLICKER_HOUR_N_1	Voltage Flicker Hour @ n-1	unsigned short	RO	0	46886
V_FLICKER_MINUTE_N_1	Voltage Flicker Minute @ n-1	unsigned short	RO	0	46887
V_FLICKER_SECOND_N_1	Voltage Flicker Second @ n-1	unsigned short	RO	0	46888
V_FLICKER_REPETITION_N_1	Voltage Flicker Repetition (ms) @ n-1	unsigned short	RO	0	46889
V_FLICKER_QUERY_N_1	// Voltage Interruption Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46890
V_FLICKER_VALUE_N_2	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-2	float	RO	0	46891
V_FLICKER_YEAR_N_2	Voltage Flicker Year @ n-2	unsigned short	RO	0	46893
V_FLICKER_MONTH_N_2	Voltage Flicker Month @ n-2	unsigned short	RO	0	46894
V_FLICKER_DAY_N_2	Voltage Flicker Day @ n-2	unsigned short	RO	0	46895
V_FLICKER_HOUR_N_2	Voltage Flicker Hour @ n-2	unsigned short	RO	0	46896
V_FLICKER_MINUTE_N_2	Voltage Flicker Minute @ n-2	unsigned short	RO	0	46897
V_FLICKER_SECOND_N_2	Voltage Flicker Second @ n-2	unsigned short	RO	0	46898
V_FLICKER_REPETITION_N_2	Voltage Flicker Repetition (ms) @ n-2	unsigned short	RO	0	46899
V_FLICKER_QUERY_N_2	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46900
V_FLICKER_VALUE_N_3	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-3	float	RO	0	46901
V_FLICKER_YEAR_N_3	Voltage Flicker Year @ n-3	unsigned short	RO	0	46903
V_FLICKER_MONTH_N_3	Voltage Flicker Month @ n-3	unsigned short	RO	0	46904
V_FLICKER_DAY_N_3	Voltage Flicker Day @ n-3	unsigned short	RO	0	46905
V_FLICKER_HOUR_N_3	Voltage Flicker Hour @ n-3	unsigned short	RO	0	46906
V_FLICKER_MINUTE_N_3	Voltage Flicker Minute @ n-3	unsigned short	RO	0	46907
V_FLICKER_SECOND_N_3	Voltage Flicker Second @ n-3	unsigned short	RO	0	46908
V_FLICKER_REPETITION_N_3	Voltage Flicker Repetition (ms) @ n-3	unsigned short	RO	0	46909
V_FLICKER_QUERY_N_3	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46910
V_FLICKER_VALUE_N_4	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-4	float	RO	0	46911
V_FLICKER_YEAR_N_4	Voltage Flicker Year @ n-4	unsigned short	RO	0	46913
V_FLICKER_MONTH_N_4	Voltage Flicker Month @ n-4	unsigned short	RO	0	46914
V_FLICKER_DAY_N_4	Voltage Flicker Day @ n-4	unsigned short	RO	0	46915
V_FLICKER_HOUR_N_4	Voltage Flicker Hour @ n-4	unsigned short	RO	0	46916
V_FLICKER_MINUTE_N_4	Voltage Flicker Minute @ n-4	unsigned short	RO	0	46917
V_FLICKER_SECOND_N_4	Voltage Flicker Second @ n-4	unsigned short	RO	0	46918
V_FLICKER_REPETITION_N_4	Voltage Flicker Repetition (ms) @ n-4	unsigned short	RO	0	46919
V_FLICKER_QUERY_N_4	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46920
V_FLICKER_VALUE_N_5	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-5	float	RO	0	46921
V_FLICKER_YEAR_N_5	Voltage Flicker Year @ n-5	unsigned short	RO	0	46923
V_FLICKER_MONTH_N_5	Voltage Flicker Month @ n-5	unsigned short	RO	0	46924
V_FLICKER_DAY_N_5	Voltage Flicker Day @ n-5	unsigned short	RO	0	46925
V_FLICKER_HOUR_N_5	Voltage Flicker Hour @ n-5	unsigned short	RO	0	46926
V_FLICKER_MINUTE_N_5	Voltage Flicker Minute @ n-5	unsigned short	RO	0	46927
V_FLICKER_SECOND_N_5	Voltage Flicker Second @ n-5	unsigned short	RO	0	46928
V_FLICKER_REPETITION_N_5	Voltage Flicker Repetition (ms) @ n-5	unsigned short	RO	0	46929
V_FLICKER_QUERY_N_5	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46930
V_FLICKER_VALUE_N_6	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-6	float	RO	0	46931



Register Name	Description	Register Type	R/W	Default	Modbus Address
V_FLICKER_YEAR_N_6	Voltage Flicker Year @ n-6	unsigned short	RO	0	46933
V_FLICKER_MONTH_N_6	Voltage Flicker Month @ n-6	unsigned short	RO	0	46934
V_FLICKER_DAY_N_6	Voltage Flicker Day @ n-6	unsigned short	RO	0	46935
V_FLICKER_HOUR_N_6	Voltage Flicker Hour @ n-6	unsigned short	RO	0	46936
V_FLICKER_MINUTE_N_6	Voltage Flicker Minute @ n-6	unsigned short	RO	0	46937
V_FLICKER_SECOND_N_6	Voltage Flicker Second @ n-6	unsigned short	RO	0	46938
V_FLICKER_REPETITION_N_6	Voltage Flicker Repetition (ms) @ n-6	unsigned short	RO	0	46939
V_FLICKER_QUERY_N_6	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46940
V_FLICKER_VALUE_N_7	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-7	float	RO	0	46941
V_FLICKER_YEAR_N_7	Voltage Flicker Year @ n-7	unsigned short	RO	0	46943
V_FLICKER_MONTH_N_7	Voltage Flicker Month @ n-7	unsigned short	RO	0	46944
V_FLICKER_DAY_N_7	Voltage Flicker Day @ n-7	unsigned short	RO	0	46945
V_FLICKER_HOUR_N_7	Voltage Flicker Hour @ n-7	unsigned short	RO	0	46946
V_FLICKER_MINUTE_N_7	Voltage Flicker Minute @ n-7	unsigned short	RO	0	46947
V_FLICKER_SECOND_N_7	Voltage Flicker Second @ n-7	unsigned short	RO	0	46948
V_FLICKER_REPETITION_N_7	Voltage Flicker Repetition (ms) @ n-7	unsigned short	RO	0	46949
V_FLICKER_QUERY_N_7	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46950
V_FLICKER_VALUE_N_8	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-8	float	RO	0	46951
V_FLICKER_YEAR_N_8	Voltage Flicker Year @ n-8	unsigned short	RO	0	46953
V_FLICKER_MONTH_N_8	Voltage Flicker Month @ n-8	unsigned short	RO	0	46954
V_FLICKER_DAY_N_8	Voltage Flicker Day @ n-8	unsigned short	RO	0	46955
V_FLICKER_HOUR_N_8	Voltage Flicker Hour @ n-8	unsigned short	RO	0	46956
V_FLICKER_MINUTE_N_8	Voltage Flicker Minute @ n-8	unsigned short	RO	0	46957
V_FLICKER_SECOND_N_8	Voltage Flicker Second @ n-8	unsigned short	RO	0	46958
V_FLICKER_REPETITION_N_8	Voltage Flicker Repetition (ms) @ n-8	unsigned short	RO	0	46959
V_FLICKER_QUERY_N_8	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46960
V_FLICKER_VALUE_N_9	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") @ n-9	float	RO	0	46961
V_FLICKER_YEAR_N_9	Voltage Flicker Year @ n-9	unsigned short	RO	0	46963
V_FLICKER_MONTH_N_9	Voltage Flicker Month @ n-9	unsigned short	RO	0	46964
V_FLICKER_DAY_N_9	Voltage Flicker Day @ n-9	unsigned short	RO	0	46965
V_FLICKER_HOUR_N_9	Voltage Flicker Hour @ n-9	unsigned short	RO	0	46966
V_FLICKER_MINUTE_N_9	Voltage Flicker Minute @ n-9	unsigned short	RO	0	46967
V_FLICKER_SECOND_N_9	Voltage Flicker Second @ n-9	unsigned short	RO	0	46968
V_FLICKER_REPETITION_N_9	Voltage Flicker Repetition (ms) @ n-9	unsigned short	RO	0	46969
V_FLICKER_QUERY_N_9	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46970
V_FLICKER_VALUE_EEPROM	Voltage Flicker RMS Value (between 10% and 90% "Nominal Star Voltage") EEPROM data	float	RO	0	46971
V_FLICKER_YEAR_EEPROM	Voltage Flicker Year EEPROM data	unsigned short	RO	0	46973
V_FLICKER_MONTH_EEPROM	Voltage Flicker Month EEPROM data	unsigned short	RO	0	46974
V_FLICKER_DAY_EEPROM	Voltage Flicker Day EEPROM data	unsigned short	RO	0	46975
V_FLICKER_HOUR_EEPROM	Voltage Flicker Hour EEPROM data	unsigned short	RO	0	46976
V_FLICKER_MINUTE_EEPROM	Voltage Flicker Minute EEPROM data	unsigned short	RO	0	46977
V_FLICKER_SECOND_EEPROM	Voltage Flicker Second EEPROM data	unsigned short	RO	0	46978
V_FLICKER_REPETITION_EEPROM	Voltage Flicker Repetition (ms) EEPROM data	unsigned short	RO	0	46979
V_FLICKER_QUERY_EEPROM	// Voltage Flicker Type: // 0: V_L1N // 1: V_L2N // 2: V_L3N // 3: V_L1L2 // 4: V_L2L3 // 5: V_L3L1	unsigned short	RO	0	46980
Oscilloscope waveforms					
V_L1N_Oscilloscope_0	Star Voltage L1-N Sample #0	float	RO	0	46981
V_L1N_Oscilloscope_1	Star Voltage L1-N Sample #1	float	RO	0	46983
V_L1N_Oscilloscope_2	Star Voltage L1-N Sample #2	float	RO	0	46985
V_L1N_Oscilloscope_3	Star Voltage L1-N Sample #3	float	RO	0	46987
V_L1N_Oscilloscope_4	Star Voltage L1-N Sample #4	float	RO	0	46989
V_L1N_Oscilloscope_5	Star Voltage L1-N Sample #5	float	RO	0	46991
V_L1N_Oscilloscope_6	Star Voltage L1-N Sample #6	float	RO	0	46993
V_L1N_Oscilloscope_7	Star Voltage L1-N Sample #7	float	RO	0	46995
V_L1N_Oscilloscope_8	Star Voltage L1-N Sample #8	float	RO	0	46997
V_L1N_Oscilloscope_9	Star Voltage L1-N Sample #9	float	RO	0	46999
V_L1N_Oscilloscope_10	Star Voltage L1-N Sample #10	float	RO	0	47001
V_L1N_Oscilloscope_11	Star Voltage L1-N Sample #11	float	RO	0	47003
V_L1N_Oscilloscope_12	Star Voltage L1-N Sample #12	float	RO	0	47005
V_L1N_Oscilloscope_13	Star Voltage L1-N Sample #13	float	RO	0	47007
V_L1N_Oscilloscope_14	Star Voltage L1-N Sample #14	float	RO	0	47009
V_L1N_Oscilloscope_15	Star Voltage L1-N Sample #15	float	RO	0	47011
V_L1N_Oscilloscope_16	Star Voltage L1-N Sample #16	float	RO	0	47013
V_L1N_Oscilloscope_17	Star Voltage L1-N Sample #17	float	RO	0	47015
V_L1N_Oscilloscope_18	Star Voltage L1-N Sample #18	float	RO	0	47017
V_L1N_Oscilloscope_19	Star Voltage L1-N Sample #19	float	RO	0	47019
V_L1N_Oscilloscope_20	Star Voltage L1-N Sample #20	float	RO	0	47021
V_L1N_Oscilloscope_21	Star Voltage L1-N Sample #21	float	RO	0	47023
V_L1N_Oscilloscope_22	Star Voltage L1-N Sample #22	float	RO	0	47025
V_L1N_Oscilloscope_23	Star Voltage L1-N Sample #23	float	RO	0	47027
V_L1N_Oscilloscope_24	Star Voltage L1-N Sample #24	float	RO	0	47029
V_L1N_Oscilloscope_25	Star Voltage L1-N Sample #25	float	RO	0	47031
V_L1N_Oscilloscope_26	Star Voltage L1-N Sample #26	float	RO	0	47033
V_L1N_Oscilloscope_27	Star Voltage L1-N Sample #27	float	RO	0	47035
V_L1N_Oscilloscope_28	Star Voltage L1-N Sample #28	float	RO	0	47037
V_L1N_Oscilloscope_29	Star Voltage L1-N Sample #29	float	RO	0	47039
V_L1N_Oscilloscope_30	Star Voltage L1-N Sample #30	float	RO	0	47041
V_L1N_Oscilloscope_31	Star Voltage L1-N Sample #31	float	RO	0	47043
V_L1N_Oscilloscope_32	Star Voltage L1-N Sample #32	float	RO	0	47045
V_L1N_Oscilloscope_33	Star Voltage L1-N Sample #33	float	RO	0	47047
V_L1N_Oscilloscope_34	Star Voltage L1-N Sample #34	float	RO	0	47049
V_L1N_Oscilloscope_35	Star Voltage L1-N Sample #35	float	RO	0	47051
V_L1N_Oscilloscope_36	Star Voltage L1-N Sample #36	float	RO	0	47053
V_L1N_Oscilloscope_37	Star Voltage L1-N Sample #37	float	RO	0	47055
V_L1N_Oscilloscope_38	Star Voltage L1-N Sample #38	float	RO	0	47057

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

- RO: Read only
- WO: Write only
- R/W: Read and write

Only FULL version

Register Name	Description	Register Type	R/W	Default	Modbus Address
V L2N Oscilloscope 33	Star Voltage L2-N Sample #33	float	RO	0	47303
V L2N Oscilloscope 34	Star Voltage L2-N Sample #34	float	RO	0	47305
V L2N Oscilloscope 35	Star Voltage L2-N Sample #35	float	RO	0	47307
V L2N Oscilloscope 36	Star Voltage L2-N Sample #36	float	RO	0	47309
V L2N Oscilloscope 37	Star Voltage L2-N Sample #37	float	RO	0	47311
V L2N Oscilloscope 38	Star Voltage L2-N Sample #38	float	RO	0	47313
V L2N Oscilloscope 39	Star Voltage L2-N Sample #39	float	RO	0	47315
V L2N Oscilloscope 40	Star Voltage L2-N Sample #40	float	RO	0	47317
V L2N Oscilloscope 41	Star Voltage L2-N Sample #41	float	RO	0	47319
V L2N Oscilloscope 42	Star Voltage L2-N Sample #42	float	RO	0	47321
V L2N Oscilloscope 43	Star Voltage L2-N Sample #43	float	RO	0	47323
V L2N Oscilloscope 44	Star Voltage L2-N Sample #44	float	RO	0	47325
V L2N Oscilloscope 45	Star Voltage L2-N Sample #45	float	RO	0	47327
V L2N Oscilloscope 46	Star Voltage L2-N Sample #46	float	RO	0	47329
V L2N Oscilloscope 47	Star Voltage L2-N Sample #47	float	RO	0	47331
V L2N Oscilloscope 48	Star Voltage L2-N Sample #48	float	RO	0	47333
V L2N Oscilloscope 49	Star Voltage L2-N Sample #49	float	RO	0	47335
V L2N Oscilloscope 50	Star Voltage L2-N Sample #50	float	RO	0	47337
V L2N Oscilloscope 51	Star Voltage L2-N Sample #51	float	RO	0	47339
V L2N Oscilloscope 52	Star Voltage L2-N Sample #52	float	RO	0	47341
V L2N Oscilloscope 53	Star Voltage L2-N Sample #53	float	RO	0	47343
V L2N Oscilloscope 54	Star Voltage L2-N Sample #54	float	RO	0	47345
V L2N Oscilloscope 55	Star Voltage L2-N Sample #55	float	RO	0	47347
V L2N Oscilloscope 56	Star Voltage L2-N Sample #56	float	RO	0	47349
V L2N Oscilloscope 57	Star Voltage L2-N Sample #57	float	RO	0	47351
V L2N Oscilloscope 58	Star Voltage L2-N Sample #58	float	RO	0	47353
V L2N Oscilloscope 59	Star Voltage L2-N Sample #59	float	RO	0	47355
V L2N Oscilloscope 60	Star Voltage L2-N Sample #60	float	RO	0	47357
V L2N Oscilloscope 61	Star Voltage L2-N Sample #61	float	RO	0	47359
V L2N Oscilloscope 62	Star Voltage L2-N Sample #62	float	RO	0	47361
V L2N Oscilloscope 63	Star Voltage L2-N Sample #63	float	RO	0	47363
V L2N Oscilloscope 64	Star Voltage L2-N Sample #64	float	RO	0	47365
V L2N Oscilloscope 66	Star Voltage L2-N Sample #65	float	RO	0	47367
V L2N Oscilloscope 66	Star Voltage L2-N Sample #66	float	RO	0	47369
V L2N Oscilloscope 67	Star Voltage L2-N Sample #67	float	RO	0	47371
V L2N Oscilloscope 68	Star Voltage L2-N Sample #68	float	RO	0	47373
V L2N Oscilloscope 69	Star Voltage L2-N Sample #69	float	RO	0	47375
V L2N Oscilloscope 70	Star Voltage L2-N Sample #70	float	RO	0	47377
V L2N Oscilloscope 71	Star Voltage L2-N Sample #71	float	RO	0	47379
V L2N Oscilloscope 72	Star Voltage L2-N Sample #72	float	RO	0	47381
V L2N Oscilloscope 73	Star Voltage L2-N Sample #73	float	RO	0	47383
V L2N Oscilloscope 74	Star Voltage L2-N Sample #74	float	RO	0	47385
V L2N Oscilloscope 75	Star Voltage L2-N Sample #75	float	RO	0	47387
V L2N Oscilloscope 76	Star Voltage L2-N Sample #76	float	RO	0	47389
V L2N Oscilloscope 77	Star Voltage L2-N Sample #77	float	RO	0	47391
V L2N Oscilloscope 78	Star Voltage L2-N Sample #78	float	RO	0	47393
V L2N Oscilloscope 79	Star Voltage L2-N Sample #79	float	RO	0	47395
V L2N Oscilloscope 80	Star Voltage L2-N Sample #80	float	RO	0	47397
V L2N Oscilloscope 81	Star Voltage L2-N Sample #81	float	RO	0	47399
V L2N Oscilloscope 82	Star Voltage L2-N Sample #82	float	RO	0	47401
V L2N Oscilloscope 83	Star Voltage L2-N Sample #83	float	RO	0	47403
V L2N Oscilloscope 84	Star Voltage L2-N Sample #84	float	RO	0	47405
V L2N Oscilloscope 85	Star Voltage L2-N Sample #85	float	RO	0	47407
V L2N Oscilloscope 86	Star Voltage L2-N Sample #86	float	RO	0	47409
V L2N Oscilloscope 87	Star Voltage L2-N Sample #87	float	RO	0	47411
V L2N Oscilloscope 88	Star Voltage L2-N Sample #88	float	RO	0	47413
V L2N Oscilloscope 89	Star Voltage L2-N Sample #89	float	RO	0	47415
V L2N Oscilloscope 90	Star Voltage L2-N Sample #90	float	RO	0	47417
V L2N Oscilloscope 91	Star Voltage L2-N Sample #91	float	RO	0	47419
V L2N Oscilloscope 92	Star Voltage L2-N Sample #92	float	RO	0	47421
V L2N Oscilloscope 93	Star Voltage L2-N Sample #93	float	RO	0	47423
V L2N Oscilloscope 94	Star Voltage L2-N Sample #94	float	RO	0	47425
V L2N Oscilloscope 95	Star Voltage L2-N Sample #95	float	RO	0	47427
V L2N Oscilloscope 96	Star Voltage L2-N Sample #96	float	RO	0	47429
V L2N Oscilloscope 97	Star Voltage L2-N Sample #97	float	RO	0	47431
V L2N Oscilloscope 98	Star Voltage L2-N Sample #98	float	RO	0	47433
V L2N Oscilloscope 99	Star Voltage L2-N Sample #99	float	RO	0	47435
V L2N Oscilloscope 100	Star Voltage L2-N Sample #100	float	RO	0	47437
V L2N Oscilloscope 101	Star Voltage L2-N Sample #101	float	RO	0	47439
V L2N Oscilloscope 102	Star Voltage L2-N Sample #102	float	RO	0	47441
V L2N Oscilloscope 103	Star Voltage L2-N Sample #103	float	RO	0	47443
V L2N Oscilloscope 104	Star Voltage L2-N Sample #104	float	RO	0	47445
V L2N Oscilloscope 105	Star Voltage L2-N Sample #105	float	RO	0	47447
V L2N Oscilloscope 106	Star Voltage L2-N Sample #106	float	RO	0	47449
V L2N Oscilloscope 107	Star Voltage L2-N Sample #107	float	RO	0	47451
V L2N Oscilloscope 108	Star Voltage L2-N Sample #108	float	RO	0	47453
V L2N Oscilloscope 109	Star Voltage L2-N Sample #109	float	RO	0	47455
V L2N Oscilloscope 110	Star Voltage L2-N Sample #110	float	RO	0	47457
V L2N Oscilloscope 111	Star Voltage L2-N Sample #111	float	RO	0	47459
V L2N Oscilloscope 112	Star Voltage L2-N Sample #112	float	RO	0	47461
V L2N Oscilloscope 113	Star Voltage L2-N Sample #113	float	RO	0	47463
V L2N Oscilloscope 114	Star Voltage L2-N Sample #114	float	RO	0	47465
V L2N Oscilloscope 115	Star Voltage L2-N Sample #115	float	RO	0	47467
V L2N Oscilloscope 116	Star Voltage L2-N Sample #116	float	RO	0	47469
V L2N Oscilloscope 117	Star Voltage L2-N Sample #117	float	RO	0	47471
V L2N Oscilloscope 118	Star Voltage L2-N Sample #118	float	RO	0	47473
V L2N Oscilloscope 119	Star Voltage L2-N Sample #119	float	RO	0	47475
V L2N Oscilloscope 120	Star Voltage L2-N Sample #120	float	RO	0	47477
V L2N Oscilloscope 121	Star Voltage L2-N Sample #121	float	RO	0	47479
V L2N Oscilloscope 122	Star Voltage L2-N Sample #122	float	RO	0	47481
V L2N Oscilloscope 123	Star Voltage L2-N Sample #123	float	RO	0	47483
V L2N Oscilloscope 124	Star Voltage L2-N Sample #124	float	RO	0	47485
V L2N Oscilloscope 125	Star Voltage L2-N Sample #125	float	RO	0	47487
V L2N Oscilloscope 126	Star Voltage L2-N Sample #126	float	RO	0	47489
V L2N Oscilloscope 127	Star Voltage L2-N Sample #127	float	RO	0	47491
V L3N Oscilloscope 0	Star Voltage L3-N Sample #0	float	RO	0	47493
V L3N Oscilloscope 1	Star Voltage L3-N Sample #1	float	RO	0	47495
V L3N Oscilloscope 2	Star Voltage L3-N Sample #2	float	RO	0	47497
V L3N Oscilloscope 3	Star Voltage L3-N Sample #3	float	RO	0	47499
V L3N Oscilloscope 4	Star Voltage L3-N Sample #4	float	RO	0	47501
V L3N Oscilloscope 5	Star Voltage L3-N Sample #5	float	RO	0	47503
V L3N Oscilloscope 6	Star Voltage L3-N Sample #6	float	RO	0	47505
V L3N Oscilloscope 7	Star Voltage L3-N Sample #7	float	RO	0	47507
V L3N Oscilloscope 8	Star Voltage L3-N Sample #8	float	RO	0	47509
V L3N Oscilloscope 9	Star Voltage L3-N Sample #9	float	RO	0	47511
V L3N Oscilloscope 10	Star Voltage L3-N Sample #10	float	RO	0	47513
V L3N Oscilloscope 11	Star Voltage L3-N Sample #11	float	RO	0	47515
V L3N Oscilloscope 12	Star Voltage L3-N Sample #12	float	RO	0	47517
V L3N Oscilloscope 13	Star Voltage L3-N Sample #13	float	RO	0	47519
V L3N Oscilloscope 14	Star Voltage L3-N Sample #14	float	RO	0	47521
V L3N Oscilloscope 15	Star Voltage L3-N Sample #15	float	RO	0	47523
V L3N Oscilloscope 16	Star Voltage L3-N Sample #16	float	RO	0	47525
V L3N Oscilloscope 17	Star Voltage L3-N Sample #17	float	RO	0	47527
V L3N Oscilloscope 18	Star Voltage L3-N Sample #18	float	RO	0	47529
V L3N Oscilloscope 19	Star Voltage L3-N Sample #19	float	RO	0	47531
V L3N Oscilloscope 20	Star Voltage L3-N Sample #20	float	RO	0	47533
V L3N Oscilloscope 21	Star Voltage L3-N Sample #21	float	RO	0	47535
V L3N Oscilloscope 22	Star Voltage L3-N Sample #22	float	RO	0	47537
V L3N Oscilloscope 23	Star Voltage L3-N Sample #23	float	RO	0	47539
V L3N Oscilloscope 24	Star Voltage L3-N Sample #24	float	RO	0	47541
V L3N Oscilloscope 25	Star Voltage L3-N Sample #25	float	RO	0	47543
V L3N Oscilloscope 26	Star Voltage L3-N Sample #26	float	RO	0	47545
V L3N Oscilloscope 27	Star Voltage L3-N Sample #27	float	RO	0	47547
V L3N Oscilloscope 28	Star Voltage L3-N Sample #28	float	RO	0	47549
V L3N Oscilloscope 29	Star Voltage L3-N Sample #29	float	RO	0	47551
V L3N Oscilloscope 30	Star Voltage L3-N Sample #30	float	RO	0	47553
V L3N Oscilloscope 31	Star Voltage L3-N Sample #31	float	RO	0	47555
V L3N Oscilloscope 32	Star Voltage L3-N Sample #32	float	RO	0	47557
V L3N Oscilloscope 33	Star Voltage L3-N Sample #33	float	RO	0	47559

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

[illegible]

- RO: Read only
- WO: Write only
- R/W: Read and write

Only FULL version

Register Name	Description	Register Type	R/W	Default	Modbus Address
V_L12_Oscilloscope_35	Line Voltage L1-L2 Sample #35	float	RO	0	47819
V_L12_Oscilloscope_36	Line Voltage L1-L2 Sample #36	float	RO	0	47821
V_L12_Oscilloscope_37	Line Voltage L1-L2 Sample #37	float	RO	0	47823
V_L12_Oscilloscope_38	Line Voltage L1-L2 Sample #38	float	RO	0	47825
V_L12_Oscilloscope_39	Line Voltage L1-L2 Sample #39	float	RO	0	47827
V_L12_Oscilloscope_40	Line Voltage L1-L2 Sample #40	float	RO	0	47829
V_L12_Oscilloscope_41	Line Voltage L1-L2 Sample #41	float	RO	0	47831
V_L12_Oscilloscope_42	Line Voltage L1-L2 Sample #42	float	RO	0	47833
V_L12_Oscilloscope_43	Line Voltage L1-L2 Sample #43	float	RO	0	47835
V_L12_Oscilloscope_44	Line Voltage L1-L2 Sample #44	float	RO	0	47837
V_L12_Oscilloscope_45	Line Voltage L1-L2 Sample #45	float	RO	0	47839
V_L12_Oscilloscope_46	Line Voltage L1-L2 Sample #46	float	RO	0	47841
V_L12_Oscilloscope_47	Line Voltage L1-L2 Sample #47	float	RO	0	47843
V_L12_Oscilloscope_48	Line Voltage L1-L2 Sample #48	float	RO	0	47845
V_L12_Oscilloscope_49	Line Voltage L1-L2 Sample #49	float	RO	0	47847
V_L12_Oscilloscope_50	Line Voltage L1-L2 Sample #50	float	RO	0	47849
V_L12_Oscilloscope_51	Line Voltage L1-L2 Sample #51	float	RO	0	47851
V_L12_Oscilloscope_52	Line Voltage L1-L2 Sample #52	float	RO	0	47853
V_L12_Oscilloscope_53	Line Voltage L1-L2 Sample #53	float	RO	0	47855
V_L12_Oscilloscope_54	Line Voltage L1-L2 Sample #54	float	RO	0	47857
V_L12_Oscilloscope_55	Line Voltage L1-L2 Sample #55	float	RO	0	47859
V_L12_Oscilloscope_56	Line Voltage L1-L2 Sample #56	float	RO	0	47861
V_L12_Oscilloscope_57	Line Voltage L1-L2 Sample #57	float	RO	0	47863
V_L12_Oscilloscope_58	Line Voltage L1-L2 Sample #58	float	RO	0	47865
V_L12_Oscilloscope_59	Line Voltage L1-L2 Sample #59	float	RO	0	47867
V_L12_Oscilloscope_60	Line Voltage L1-L2 Sample #60	float	RO	0	47869
V_L12_Oscilloscope_61	Line Voltage L1-L2 Sample #61	float	RO	0	47871
V_L12_Oscilloscope_62	Line Voltage L1-L2 Sample #62	float	RO	0	47873
V_L12_Oscilloscope_63	Line Voltage L1-L2 Sample #63	float	RO	0	47875
V_L12_Oscilloscope_64	Line Voltage L1-L2 Sample #64	float	RO	0	47877
V_L12_Oscilloscope_65	Line Voltage L1-L2 Sample #65	float	RO	0	47879
V_L12_Oscilloscope_66	Line Voltage L1-L2 Sample #66	float	RO	0	47881
V_L12_Oscilloscope_67	Line Voltage L1-L2 Sample #67	float	RO	0	47883
V_L12_Oscilloscope_68	Line Voltage L1-L2 Sample #68	float	RO	0	47885
V_L12_Oscilloscope_69	Line Voltage L1-L2 Sample #69	float	RO	0	47887
V_L12_Oscilloscope_70	Line Voltage L1-L2 Sample #70	float	RO	0	47889
V_L12_Oscilloscope_71	Line Voltage L1-L2 Sample #71	float	RO	0	47891
V_L12_Oscilloscope_72	Line Voltage L1-L2 Sample #72	float	RO	0	47893
V_L12_Oscilloscope_73	Line Voltage L1-L2 Sample #73	float	RO	0	47895
V_L12_Oscilloscope_74	Line Voltage L1-L2 Sample #74	float	RO	0	47897
V_L12_Oscilloscope_75	Line Voltage L1-L2 Sample #75	float	RO	0	47899
V_L12_Oscilloscope_76	Line Voltage L1-L2 Sample #76	float	RO	0	47901
V_L12_Oscilloscope_77	Line Voltage L1-L2 Sample #77	float	RO	0	47903
V_L12_Oscilloscope_78	Line Voltage L1-L2 Sample #78	float	RO	0	47905
V_L12_Oscilloscope_79	Line Voltage L1-L2 Sample #79	float	RO	0	47907
V_L12_Oscilloscope_80	Line Voltage L1-L2 Sample #80	float	RO	0	47909
V_L12_Oscilloscope_81	Line Voltage L1-L2 Sample #81	float	RO	0	47911
V_L12_Oscilloscope_82	Line Voltage L1-L2 Sample #82	float	RO	0	47913
V_L12_Oscilloscope_83	Line Voltage L1-L2 Sample #83	float	RO	0	47915
V_L12_Oscilloscope_84	Line Voltage L1-L2 Sample #84	float	RO	0	47917
V_L12_Oscilloscope_85	Line Voltage L1-L2 Sample #85	float	RO	0	47919
V_L12_Oscilloscope_86	Line Voltage L1-L2 Sample #86	float	RO	0	47921
V_L12_Oscilloscope_87	Line Voltage L1-L2 Sample #87	float	RO	0	47923
V_L12_Oscilloscope_88	Line Voltage L1-L2 Sample #88	float	RO	0	47925
V_L12_Oscilloscope_89	Line Voltage L1-L2 Sample #89	float	RO	0	47927
V_L12_Oscilloscope_90	Line Voltage L1-L2 Sample #90	float	RO	0	47929
V_L12_Oscilloscope_91	Line Voltage L1-L2 Sample #91	float	RO	0	47931
V_L12_Oscilloscope_92	Line Voltage L1-L2 Sample #92	float	RO	0	47933
V_L12_Oscilloscope_93	Line Voltage L1-L2 Sample #93	float	RO	0	47935
V_L12_Oscilloscope_94	Line Voltage L1-L2 Sample #94	float	RO	0	47937
V_L12_Oscilloscope_95	Line Voltage L1-L2 Sample #95	float	RO	0	47939
V_L12_Oscilloscope_96	Line Voltage L1-L2 Sample #96	float	RO	0	47941
V_L12_Oscilloscope_97	Line Voltage L1-L2 Sample #97	float	RO	0	47943
V_L12_Oscilloscope_98	Line Voltage L1-L2 Sample #98	float	RO	0	47945
V_L12_Oscilloscope_99	Line Voltage L1-L2 Sample #99	float	RO	0	47947
V_L12_Oscilloscope_100	Line Voltage L1-L2 Sample #100	float	RO	0	47949
V_L12_Oscilloscope_101	Line Voltage L1-L2 Sample #101	float	RO	0	47951
V_L12_Oscilloscope_102	Line Voltage L1-L2 Sample #102	float	RO	0	47953
V_L12_Oscilloscope_103	Line Voltage L1-L2 Sample #103	float	RO	0	47955
V_L12_Oscilloscope_104	Line Voltage L1-L2 Sample #104	float	RO	0	47957
V_L12_Oscilloscope_105	Line Voltage L1-L2 Sample #105	float	RO	0	47959
V_L12_Oscilloscope_106	Line Voltage L1-L2 Sample #106	float	RO	0	47961
V_L12_Oscilloscope_107	Line Voltage L1-L2 Sample #107	float	RO	0	47963
V_L12_Oscilloscope_108	Line Voltage L1-L2 Sample #108	float	RO	0	47965
V_L12_Oscilloscope_109	Line Voltage L1-L2 Sample #109	float	RO	0	47967
V_L12_Oscilloscope_110	Line Voltage L1-L2 Sample #110	float	RO	0	47969
V_L12_Oscilloscope_111	Line Voltage L1-L2 Sample #111	float	RO	0	47971
V_L12_Oscilloscope_112	Line Voltage L1-L2 Sample #112	float	RO	0	47973
V_L12_Oscilloscope_113	Line Voltage L1-L2 Sample #113	float	RO	0	47975
V_L12_Oscilloscope_114	Line Voltage L1-L2 Sample #114	float	RO	0	47977
V_L12_Oscilloscope_115	Line Voltage L1-L2 Sample #115	float	RO	0	47979
V_L12_Oscilloscope_116	Line Voltage L1-L2 Sample #116	float	RO	0	47981
V_L12_Oscilloscope_117	Line Voltage L1-L2 Sample #117	float	RO	0	47983
V_L12_Oscilloscope_118	Line Voltage L1-L2 Sample #118	float	RO	0	47985
V_L12_Oscilloscope_119	Line Voltage L1-L2 Sample #119	float	RO	0	47987
V_L12_Oscilloscope_120	Line Voltage L1-L2 Sample #120	float	RO	0	47989
V_L12_Oscilloscope_121	Line Voltage L1-L2 Sample #121	float	RO	0	47991
V_L12_Oscilloscope_122	Line Voltage L1-L2 Sample #122	float	RO	0	47993
V_L12_Oscilloscope_123	Line Voltage L1-L2 Sample #123	float	RO	0	47995
V_L12_Oscilloscope_124	Line Voltage L1-L2 Sample #124	float	RO	0	47997
V_L12_Oscilloscope_125	Line Voltage L1-L2 Sample #125	float	RO	0	47999
V_L12_Oscilloscope_126	Line Voltage L1-L2 Sample #126	float	RO	0	48001
V_L12_Oscilloscope_127	Line Voltage L1-L2 Sample #127	float	RO	0	48003
V_L23_Oscilloscope_0	Line Voltage L2-L3 Sample #0	float	RO	0	48005
V_L23_Oscilloscope_1	Line Voltage L2-L3 Sample #1	float	RO	0	48007
V_L23_Oscilloscope_2	Line Voltage L2-L3 Sample #2	float	RO	0	48009
V_L23_Oscilloscope_3	Line Voltage L2-L3 Sample #3	float	RO	0	48011
V_L23_Oscilloscope_4	Line Voltage L2-L3 Sample #4	float	RO	0	48013
V_L23_Oscilloscope_5	Line Voltage L2-L3 Sample #5	float	RO	0	48015
V_L23_Oscilloscope_6	Line Voltage L2-L3 Sample #6	float	RO	0	48017
V_L23_Oscilloscope_7	Line Voltage L2-L3 Sample #7	float	RO	0	48019
V_L23_Oscilloscope_8	Line Voltage L2-L3 Sample #8	float	RO	0	48021
V_L23_Oscilloscope_9	Line Voltage L2-L3 Sample #9	float	RO	0	48023
V_L23_Oscilloscope_10	Line Voltage L2-L3 Sample #10	float	RO	0	48025
V_L23_Oscilloscope_11	Line Voltage L2-L3 Sample #11	float	RO	0	48027
V_L23_Oscilloscope_12	Line Voltage L2-L3 Sample #12	float	RO	0	48029
V_L23_Oscilloscope_13	Line Voltage L2-L3 Sample #13	float	RO	0	48031
V_L23_Oscilloscope_14	Line Voltage L2-L3 Sample #14	float	RO	0	48033
V_L23_Oscilloscope_15	Line Voltage L2-L3 Sample #15	float	RO	0	48035
V_L23_Oscilloscope_16	Line Voltage L2-L3 Sample #16	float	RO	0	48037
V_L23_Oscilloscope_17	Line Voltage L2-L3 Sample #17	float	RO	0	48039
V_L23_Oscilloscope_18	Line Voltage L2-L3 Sample #18	float	RO	0	48041
V_L23_Oscilloscope_19	Line Voltage L2-L3 Sample #19	float	RO	0	48043
V_L23_Oscilloscope_20	Line Voltage L2-L3 Sample #20	float	RO	0	48045
V_L23_Oscilloscope_21	Line Voltage L2-L3 Sample #21	float	RO	0	48047
V_L23_Oscilloscope_22	Line Voltage L2-L3 Sample #22	float	RO	0	48049
V_L23_Oscilloscope_23	Line Voltage L2-L3 Sample #23	float	RO	0	48051
V_L23_Oscilloscope_24	Line Voltage L2-L3 Sample #24	float	RO	0	48053
V_L23_Oscilloscope_25	Line Voltage L2-L3 Sample #25	float	RO	0	48055
V_L23_Oscilloscope_26	Line Voltage L2-L3 Sample #26	float	RO	0	48057
V_L23_Oscilloscope_27	Line Voltage L2-L3 Sample #27	float	RO	0	48059
V_L23_Oscilloscope_28	Line Voltage L2-L3 Sample #28	float	RO	0	48061
V_L23_Oscilloscope_29	Line Voltage L2-L3 Sample #29	float	RO	0	48063
V_L23_Oscilloscope_30	Line Voltage L2-L3 Sample #30	float	RO	0	48065
V_L23_Oscilloscope_31	Line Voltage L2-L3 Sample #31	float	RO	0	48067
V_L23_Oscilloscope_32	Line Voltage L2-L3 Sample #32	float	RO	0	48069
V_L23_Oscilloscope_33	Line Voltage L2-L3 Sample #33	float	RO	0	48071
V_L23_Oscilloscope_34	Line Voltage L2-L3 Sample #34	float	RO	0	48073
V_L23_Oscilloscope_35	Line Voltage L2-L3 Sample #35	float	RO	0	48075

- RO: Read only
- WO: Write only
- R/W: Read and write

Only FULL version

[illegible]

- RO: Read only
- WO: Write only
- R/W: Read and write

Only FULL version

Register Name	Description	Register Type	R/W	Default	Modbus Address
V L31 Oscilloscope 37	Line Voltage L3-L1 Sample #37	float	RO	0	48335
V L31 Oscilloscope 38	Line Voltage L3-L1 Sample #38	float	RO	0	48337
V L31 Oscilloscope 39	Line Voltage L3-L1 Sample #39	float	RO	0	48339
V L31 Oscilloscope 40	Line Voltage L3-L1 Sample #40	float	RO	0	48341
V L31 Oscilloscope 41	Line Voltage L3-L1 Sample #41	float	RO	0	48343
V L31 Oscilloscope 42	Line Voltage L3-L1 Sample #42	float	RO	0	48345
V L31 Oscilloscope 43	Line Voltage L3-L1 Sample #43	float	RO	0	48347
V L31 Oscilloscope 44	Line Voltage L3-L1 Sample #44	float	RO	0	48349
V L31 Oscilloscope 45	Line Voltage L3-L1 Sample #45	float	RO	0	48351
V L31 Oscilloscope 46	Line Voltage L3-L1 Sample #46	float	RO	0	48353
V L31 Oscilloscope 47	Line Voltage L3-L1 Sample #47	float	RO	0	48355
V L31 Oscilloscope 48	Line Voltage L3-L1 Sample #48	float	RO	0	48357
V L31 Oscilloscope 49	Line Voltage L3-L1 Sample #49	float	RO	0	48359
V L31 Oscilloscope 50	Line Voltage L3-L1 Sample #50	float	RO	0	48361
V L31 Oscilloscope 51	Line Voltage L3-L1 Sample #51	float	RO	0	48363
V L31 Oscilloscope 52	Line Voltage L3-L1 Sample #52	float	RO	0	48365
V L31 Oscilloscope 53	Line Voltage L3-L1 Sample #53	float	RO	0	48367
V L31 Oscilloscope 54	Line Voltage L3-L1 Sample #54	float	RO	0	48369
V L31 Oscilloscope 55	Line Voltage L3-L1 Sample #55	float	RO	0	48371
V L31 Oscilloscope 56	Line Voltage L3-L1 Sample #56	float	RO	0	48373
V L31 Oscilloscope 57	Line Voltage L3-L1 Sample #57	float	RO	0	48375
V L31 Oscilloscope 58	Line Voltage L3-L1 Sample #58	float	RO	0	48377
V L31 Oscilloscope 59	Line Voltage L3-L1 Sample #59	float	RO	0	48379
V L31 Oscilloscope 60	Line Voltage L3-L1 Sample #60	float	RO	0	48381
V L31 Oscilloscope 61	Line Voltage L3-L1 Sample #61	float	RO	0	48383
V L31 Oscilloscope 62	Line Voltage L3-L1 Sample #62	float	RO	0	48385
V L31 Oscilloscope 63	Line Voltage L3-L1 Sample #63	float	RO	0	48387
V L31 Oscilloscope 64	Line Voltage L3-L1 Sample #64	float	RO	0	48389
V L31 Oscilloscope 65	Line Voltage L3-L1 Sample #65	float	RO	0	48391
V L31 Oscilloscope 66	Line Voltage L3-L1 Sample #66	float	RO	0	48393
V L31 Oscilloscope 67	Line Voltage L3-L1 Sample #67	float	RO	0	48395
V L31 Oscilloscope 68	Line Voltage L3-L1 Sample #68	float	RO	0	48397
V L31 Oscilloscope 69	Line Voltage L3-L1 Sample #69	float	RO	0	48399
V L31 Oscilloscope 70	Line Voltage L3-L1 Sample #70	float	RO	0	48401
V L31 Oscilloscope 71	Line Voltage L3-L1 Sample #71	float	RO	0	48403
V L31 Oscilloscope 72	Line Voltage L3-L1 Sample #72	float	RO	0	48405
V L31 Oscilloscope 73	Line Voltage L3-L1 Sample #73	float	RO	0	48407
V L31 Oscilloscope 74	Line Voltage L3-L1 Sample #74	float	RO	0	48409
V L31 Oscilloscope 75	Line Voltage L3-L1 Sample #75	float	RO	0	48411
V L31 Oscilloscope 76	Line Voltage L3-L1 Sample #76	float	RO	0	48413
V L31 Oscilloscope 77	Line Voltage L3-L1 Sample #77	float	RO	0	48415
V L31 Oscilloscope 78	Line Voltage L3-L1 Sample #78	float	RO	0	48417
V L31 Oscilloscope 79	Line Voltage L3-L1 Sample #79	float	RO	0	48419
V L31 Oscilloscope 80	Line Voltage L3-L1 Sample #80	float	RO	0	48421
V L31 Oscilloscope 81	Line Voltage L3-L1 Sample #81	float	RO	0	48423
V L31 Oscilloscope 82	Line Voltage L3-L1 Sample #82	float	RO	0	48425
V L31 Oscilloscope 83	Line Voltage L3-L1 Sample #83	float	RO	0	48427
V L31 Oscilloscope 84	Line Voltage L3-L1 Sample #84	float	RO	0	48429
V L31 Oscilloscope 85	Line Voltage L3-L1 Sample #85	float	RO	0	48431
V L31 Oscilloscope 86	Line Voltage L3-L1 Sample #86	float	RO	0	48433
V L31 Oscilloscope 87	Line Voltage L3-L1 Sample #87	float	RO	0	48435
V L31 Oscilloscope 88	Line Voltage L3-L1 Sample #88	float	RO	0	48437
V L31 Oscilloscope 89	Line Voltage L3-L1 Sample #89	float	RO	0	48439
V L31 Oscilloscope 90	Line Voltage L3-L1 Sample #90	float	RO	0	48441
V L31 Oscilloscope 91	Line Voltage L3-L1 Sample #91	float	RO	0	48443
V L31 Oscilloscope 92	Line Voltage L3-L1 Sample #92	float	RO	0	48445
V L31 Oscilloscope 93	Line Voltage L3-L1 Sample #93	float	RO	0	48447
V L31 Oscilloscope 94	Line Voltage L3-L1 Sample #94	float	RO	0	48449
V L31 Oscilloscope 95	Line Voltage L3-L1 Sample #95	float	RO	0	48451
V L31 Oscilloscope 96	Line Voltage L3-L1 Sample #96	float	RO	0	48453
V L31 Oscilloscope 97	Line Voltage L3-L1 Sample #97	float	RO	0	48455
V L31 Oscilloscope 98	Line Voltage L3-L1 Sample #98	float	RO	0	48457
V L31 Oscilloscope 99	Line Voltage L3-L1 Sample #99	float	RO	0	48459
V L31 Oscilloscope 100	Line Voltage L3-L1 Sample #100	float	RO	0	48461
V L31 Oscilloscope 101	Line Voltage L3-L1 Sample #101	float	RO	0	48463
V L31 Oscilloscope 102	Line Voltage L3-L1 Sample #102	float	RO	0	48465
V L31 Oscilloscope 103	Line Voltage L3-L1 Sample #103	float	RO	0	48467
V L31 Oscilloscope 104	Line Voltage L3-L1 Sample #104	float	RO	0	48469
V L31 Oscilloscope 105	Line Voltage L3-L1 Sample #105	float	RO	0	48471
V L31 Oscilloscope 106	Line Voltage L3-L1 Sample #106	float	RO	0	48473
V L31 Oscilloscope 107	Line Voltage L3-L1 Sample #107	float	RO	0	48475
V L31 Oscilloscope 108	Line Voltage L3-L1 Sample #108	float	RO	0	48477
V L31 Oscilloscope 109	Line Voltage L3-L1 Sample #109	float	RO	0	48479
V L31 Oscilloscope 110	Line Voltage L3-L1 Sample #110	float	RO	0	48481
V L31 Oscilloscope 111	Line Voltage L3-L1 Sample #111	float	RO	0	48483
V L31 Oscilloscope 112	Line Voltage L3-L1 Sample #112	float	RO	0	48485
V L31 Oscilloscope 113	Line Voltage L3-L1 Sample #113	float	RO	0	48487
V L31 Oscilloscope 114	Line Voltage L3-L1 Sample #114	float	RO	0	48489
V L31 Oscilloscope 115	Line Voltage L3-L1 Sample #115	float	RO	0	48491
V L31 Oscilloscope 116	Line Voltage L3-L1 Sample #116	float	RO	0	48493
V L31 Oscilloscope 117	Line Voltage L3-L1 Sample #117	float	RO	0	48495
V L31 Oscilloscope 118	Line Voltage L3-L1 Sample #118	float	RO	0	48497
V L31 Oscilloscope 119	Line Voltage L3-L1 Sample #119	float	RO	0	48499
V L31 Oscilloscope 120	Line Voltage L3-L1 Sample #120	float	RO	0	48501
V L31 Oscilloscope 121	Line Voltage L3-L1 Sample #121	float	RO	0	48503
V L31 Oscilloscope 122	Line Voltage L3-L1 Sample #122	float	RO	0	48505
V L31 Oscilloscope 123	Line Voltage L3-L1 Sample #123	float	RO	0	48507
V L31 Oscilloscope 124	Line Voltage L3-L1 Sample #124	float	RO	0	48509
V L31 Oscilloscope 125	Line Voltage L3-L1 Sample #125	float	RO	0	48511
V L31 Oscilloscope 126	Line Voltage L3-L1 Sample #126	float	RO	0	48513
V L31 Oscilloscope 127	Line Voltage L3-L1 Sample #127	float	RO	0	48515
I L1 Oscilloscope 0	Line Current L1 Sample #0	float	RO	0	48517
I L1 Oscilloscope 1	Line Current L1 Sample #1	float	RO	0	48519
I L1 Oscilloscope 2	Line Current L1 Sample #2	float	RO	0	48521
I L1 Oscilloscope 3	Line Current L1 Sample #3	float	RO	0	48523
I L1 Oscilloscope 4	Line Current L1 Sample #4	float	RO	0	48525
I L1 Oscilloscope 5	Line Current L1 Sample #5	float	RO	0	48527
I L1 Oscilloscope 6	Line Current L1 Sample #6	float	RO	0	48529
I L1 Oscilloscope 7	Line Current L1 Sample #7	float	RO	0	48531
I L1 Oscilloscope 8	Line Current L1 Sample #8	float	RO	0	48533
I L1 Oscilloscope 9	Line Current L1 Sample #9	float	RO	0	48535
I L1 Oscilloscope 10	Line Current L1 Sample #10	float	RO	0	48537
I L1 Oscilloscope 11	Line Current L1 Sample #11	float	RO	0	48539
I L1 Oscilloscope 12	Line Current L1 Sample #12	float	RO	0	48541
I L1 Oscilloscope 13	Line Current L1 Sample #13	float	RO	0	48543
I L1 Oscilloscope 14	Line Current L1 Sample #14	float	RO	0	48545
I L1 Oscilloscope 15	Line Current L1 Sample #15	float	RO	0	48547
I L1 Oscilloscope 16	Line Current L1 Sample #16	float	RO	0	48549
I L1 Oscilloscope 17	Line Current L1 Sample #17	float	RO	0	48551
I L1 Oscilloscope 18	Line Current L1 Sample #18	float	RO	0	48553
I L1 Oscilloscope 19	Line Current L1 Sample #19	float	RO	0	48555
I L1 Oscilloscope 20	Line Current L1 Sample #20	float	RO	0	48557
I L1 Oscilloscope 21	Line Current L1 Sample #21	float	RO	0	48559
I L1 Oscilloscope 22	Line Current L1 Sample #22	float	RO	0	48561
I L1 Oscilloscope 23	Line Current L1 Sample #23	float	RO	0	48563
I L1 Oscilloscope 24	Line Current L1 Sample #24	float	RO	0	48565
I L1 Oscilloscope 25	Line Current L1 Sample #25	float	RO	0	48567
I L1 Oscilloscope 26	Line Current L1 Sample #26	float	RO	0	48569
I L1 Oscilloscope 27	Line Current L1 Sample #27	float	RO	0	48571
I L1 Oscilloscope 28	Line Current L1 Sample #28	float	RO	0	48573
I L1 Oscilloscope 29	Line Current L1 Sample #29	float	RO	0	48575
I L1 Oscilloscope 30	Line Current L1 Sample #30	float	RO	0	48577
I L1 Oscilloscope 31	Line Current L1 Sample #31	float	RO	0	48579
I L1 Oscilloscope 32	Line Current L1 Sample #32	float	RO	0	48581
I L1 Oscilloscope 33	Line Current L1 Sample #33	float	RO	0	48583
I L1 Oscilloscope 34	Line Current L1 Sample #34	float	RO	0	48585
I L1 Oscilloscope 35	Line Current L1 Sample #35	float	RO	0	48587
I L1 Oscilloscope 36	Line Current L1 Sample #36	float	RO	0	48589
I L1 Oscilloscope 37	Line Current L1 Sample #37	float	RO	0	48591

- RO: Read only
- WO: Write only
- R/W: Read and write

Only FULL version

Register Name	Description	Register Type	R/W	Default	Modbus Address
L1 Oscilloscope 38	Line Current L1 Sample #38	float	RO	0	48593
L1 Oscilloscope 39	Line Current L1 Sample #39	float	RO	0	48596
L1 Oscilloscope 40	Line Current L1 Sample #40	float	RO	0	48597
L1 Oscilloscope 41	Line Current L1 Sample #41	float	RO	0	48599
L1 Oscilloscope 42	Line Current L1 Sample #42	float	RO	0	48601
L1 Oscilloscope 43	Line Current L1 Sample #43	float	RO	0	48603
L1 Oscilloscope 44	Line Current L1 Sample #44	float	RO	0	48605
L1 Oscilloscope 45	Line Current L1 Sample #45	float	RO	0	48607
L1 Oscilloscope 46	Line Current L1 Sample #46	float	RO	0	48609
L1 Oscilloscope 47	Line Current L1 Sample #47	float	RO	0	48611
L1 Oscilloscope 48	Line Current L1 Sample #48	float	RO	0	48613
L1 Oscilloscope 49	Line Current L1 Sample #49	float	RO	0	48615
L1 Oscilloscope 50	Line Current L1 Sample #50	float	RO	0	48617
L1 Oscilloscope 51	Line Current L1 Sample #51	float	RO	0	48619
L1 Oscilloscope 52	Line Current L1 Sample #52	float	RO	0	48621
L1 Oscilloscope 53	Line Current L1 Sample #53	float	RO	0	48623
L1 Oscilloscope 54	Line Current L1 Sample #54	float	RO	0	48624
L1 Oscilloscope 55	Line Current L1 Sample #55	float	RO	0	48627
L1 Oscilloscope 56	Line Current L1 Sample #56	float	RO	0	48629
L1 Oscilloscope 57	Line Current L1 Sample #57	float	RO	0	4863
L1 Oscilloscope 58	Line Current L1 Sample #58	float	RO	0	48633
L1 Oscilloscope 59	Line Current L1 Sample #59	float	RO	0	48635
L1 Oscilloscope 60	Line Current L1 Sample #60	float	RO	0	48637
L1 Oscilloscope 61	Line Current L1 Sample #61	float	RO	0	48639
L1 Oscilloscope 62	Line Current L1 Sample #62	float	RO	0	48641
L1 Oscilloscope 63	Line Current L1 Sample #63	float	RO	0	48643
L1 Oscilloscope 64	Line Current L1 Sample #64	float	RO	0	48646
L1 Oscilloscope 65	Line Current L1 Sample #65	float	RO	0	48648
L1 Oscilloscope 66	Line Current L1 Sample #66	float	RO	0	48649
L1 Oscilloscope 67	Line Current L1 Sample #67	float	RO	0	48651
L1 Oscilloscope 68	Line Current L1 Sample #68	float	RO	0	48653
L1 Oscilloscope 69	Line Current L1 Sample #69	float	RO	0	48655
L1 Oscilloscope 70	Line Current L1 Sample #70	float	RO	0	48657
L1 Oscilloscope 71	Line Current L1 Sample #71	float	RO	0	48659
L1 Oscilloscope 72	Line Current L1 Sample #72	float	RO	0	48661
L1 Oscilloscope 73	Line Current L1 Sample #73	float	RO	0	48663
L1 Oscilloscope 74	Line Current L1 Sample #74	float	RO	0	48665
L1 Oscilloscope 75	Line Current L1 Sample #75	float	RO	0	48667
L1 Oscilloscope 76	Line Current L1 Sample #76	float	RO	0	48669
L1 Oscilloscope 77	Line Current L1 Sample #77	float	RO	0	48671
L1 Oscilloscope 78	Line Current L1 Sample #78	float	RO	0	48673
L1 Oscilloscope 79	Line Current L1 Sample #79	float	RO	0	48675
L1 Oscilloscope 80	Line Current L1 Sample #80	float	RO	0	48677
L1 Oscilloscope 81	Line Current L1 Sample #81	float	RO	0	48679
L1 Oscilloscope 82	Line Current L1 Sample #82	float	RO	0	48681
L1 Oscilloscope 83	Line Current L1 Sample #83	float	RO	0	48683
L1 Oscilloscope 84	Line Current L1 Sample #84	float	RO	0	48685
L1 Oscilloscope 85	Line Current L1 Sample #85	float	RO	0	48687
L1 Oscilloscope 86	Line Current L1 Sample #86	float	RO	0	48689
L1 Oscilloscope 87	Line Current L1 Sample #87	float	RO	0	4869
L1 Oscilloscope 88	Line Current L1 Sample #88	float	RO	0	48693
L1 Oscilloscope 89	Line Current L1 Sample #89	float	RO	0	48695
L1 Oscilloscope 90	Line Current L1 Sample #90	float	RO	0	48697
L1 Oscilloscope 91	Line Current L1 Sample #91	float	RO	0	48699
L1 Oscilloscope 92	Line Current L1 Sample #92	float	RO	0	48701
L1 Oscilloscope 93	Line Current L1 Sample #93	float	RO	0	48703
L1 Oscilloscope 94	Line Current L1 Sample #94	float	RO	0	48705
L1 Oscilloscope 95	Line Current L1 Sample #95	float	RO	0	48707
L1 Oscilloscope 96	Line Current L1 Sample #96	float	RO	0	48709
L1 Oscilloscope 97	Line Current L1 Sample #97	float	RO	0	48711
L1 Oscilloscope 98	Line Current L1 Sample #98	float	RO	0	48713
L1 Oscilloscope 99	Line Current L1 Sample #99	float	RO	0	48715
L1 Oscilloscope 100	Line Current L1 Sample #100	float	RO	0	48717
L1 Oscilloscope 101	Line Current L1 Sample #101	float	RO	0	48719
L1 Oscilloscope 102	Line Current L1 Sample #102	float	RO	0	48721
L1 Oscilloscope 103	Line Current L1 Sample #103	float	RO	0	48723
L1 Oscilloscope 104	Line Current L1 Sample #104	float	RO	0	48725
L1 Oscilloscope 105	Line Current L1 Sample #105	float	RO	0	48727
L1 Oscilloscope 106	Line Current L1 Sample #106	float	RO	0	48729
L1 Oscilloscope 107	Line Current L1 Sample #107	float	RO	0	48731
L1 Oscilloscope 108	Line Current L1 Sample #108	float	RO	0	48733
L1 Oscilloscope 109	Line Current L1 Sample #109	float	RO	0	48735
L1 Oscilloscope 110	Line Current L1 Sample #110	float	RO	0	48737
L1 Oscilloscope 111	Line Current L1 Sample #111	float	RO	0	48739
L1 Oscilloscope 112	Line Current L1 Sample #112	float	RO	0	48741
L1 Oscilloscope 113	Line Current L1 Sample #113	float	RO	0	48743
L1 Oscilloscope 114	Line Current L1 Sample #114	float	RO	0	48745
L1 Oscilloscope 115	Line Current L1 Sample #115	float	RO	0	48747
L1 Oscilloscope 116	Line Current L1 Sample #116	float	RO	0	48749
L1 Oscilloscope 117	Line Current L1 Sample #117	float	RO	0	48751
L1 Oscilloscope 118	Line Current L1 Sample #118	float	RO	0	48753
L1 Oscilloscope 119	Line Current L1 Sample #119	float	RO	0	48755
L1 Oscilloscope 120	Line Current L1 Sample #120	float	RO	0	48757
L1 Oscilloscope 121	Line Current L1 Sample #121	float	RO	0	48759
L1 Oscilloscope 122	Line Current L1 Sample #122	float	RO	0	48761
L1 Oscilloscope 123	Line Current L1 Sample #123	float	RO	0	48763
L1 Oscilloscope 124	Line Current L1 Sample #124	float	RO	0	48765
L1 Oscilloscope 125	Line Current L1 Sample #125	float	RO	0	48767
L1 Oscilloscope 126	Line Current L1 Sample #126	float	RO	0	48769
L1 Oscilloscope 127	Line Current L1 Sample #127	float	RO	0	48771
L2 Oscilloscope 0	Line Current L2 Sample #0	float	RO	0	48773
L2 Oscilloscope 1	Line Current L2 Sample #1	float	RO	0	48775
L2 Oscilloscope 2	Line Current L2 Sample #2	float	RO	0	48777
L2 Oscilloscope 3	Line Current L2 Sample #3	float	RO	0	48779
L2 Oscilloscope 4	Line Current L2 Sample #4	float	RO	0	48781
L2 Oscilloscope 5	Line Current L2 Sample #5	float	RO	0	48783
L2 Oscilloscope 6	Line Current L2 Sample #6	float	RO	0	48785
L2 Oscilloscope 7	Line Current L2 Sample #7	float	RO	0	48787
L2 Oscilloscope 8	Line Current L2 Sample #8	float	RO	0	48789
L2 Oscilloscope 9	Line Current L2 Sample #9	float	RO	0	48791
L2 Oscilloscope 10	Line Current L2 Sample #10	float	RO	0	48793
L2 Oscilloscope 11	Line Current L2 Sample #11	float	RO	0	48795
L2 Oscilloscope 12	Line Current L2 Sample #12	float	RO	0	48797
L2 Oscilloscope 13	Line Current L2 Sample #13	float	RO	0	48799
L2 Oscilloscope 14	Line Current L2 Sample #14	float	RO	0	48801
L2 Oscilloscope 15	Line Current L2 Sample #15	float	RO	0	48803
L2 Oscilloscope 16	Line Current L2 Sample #16	float	RO	0	48805
L2 Oscilloscope 17	Line Current L2 Sample #17	float	RO	0	48807
L2 Oscilloscope 18	Line Current L2 Sample #18	float	RO	0	48809
L2 Oscilloscope 19	Line Current L2 Sample #19	float	RO	0	48811
L2 Oscilloscope 20	Line Current L2 Sample #20	float	RO	0	48813
L2 Oscilloscope 21	Line Current L2 Sample #21	float	RO	0	48815
L2 Oscilloscope 22	Line Current L2 Sample #22	float	RO	0	48817
L2 Oscilloscope 23	Line Current L2 Sample #23	float	RO	0	48819
L2 Oscilloscope 24	Line Current L2 Sample #24	float	RO	0	48821
L2 Oscilloscope 25	Line Current L2 Sample #25	float	RO	0	48823
L2 Oscilloscope 26	Line Current L2 Sample #26	float	RO	0	48825
L2 Oscilloscope 27	Line Current L2 Sample #27	float	RO	0	48827
L2 Oscilloscope 28	Line Current L2 Sample #28	float	RO	0	48829
L2 Oscilloscope 29	Line Current L2 Sample #29	float	RO	0	48831
L2 Oscilloscope 30	Line Current L2 Sample #30	float	RO	0	48833
L2 Oscilloscope 31	Line Current L2 Sample #31	float	RO	0	48835
L2 Oscilloscope 32	Line Current L2 Sample #32	float	RO	0	48837
L2 Oscilloscope 33	Line Current L2 Sample #33	float	RO	0	48839
L2 Oscilloscope 34	Line Current L2 Sample #34	float	RO	0	48841
L2 Oscilloscope 35	Line Current L2 Sample #35	float	RO	0	48843
L2 Oscilloscope 36	Line Current L2 Sample #36	float	RO	0	48845
L2 Oscilloscope 37	Line Current L2 Sample #37	float	RO	0	48847
L2 Oscilloscope 38	Line Current L2 Sample #38	float	RO	0	48849

- RO: Read only
- WO: Write only
- R/W: Read and write

Only FULL version

Register Name	Description	Register Type	R/W	Default	Modbus Address
L2 Oscilloscope 39	Line Current L2 Sample #39	float	RO	0	48851
L2 Oscilloscope 40	Line Current L2 Sample #40	float	RO	0	48853
L2 Oscilloscope 41	Line Current L2 Sample #41	float	RO	0	48855
L2 Oscilloscope 42	Line Current L2 Sample #42	float	RO	0	48857
L2 Oscilloscope 43	Line Current L2 Sample #43	float	RO	0	48859
L2 Oscilloscope 44	Line Current L2 Sample #44	float	RO	0	48861
L2 Oscilloscope 45	Line Current L2 Sample #45	float	RO	0	48863
L2 Oscilloscope 46	Line Current L2 Sample #46	float	RO	0	48865
L2 Oscilloscope 47	Line Current L2 Sample #47	float	RO	0	48867
L2 Oscilloscope 48	Line Current L2 Sample #48	float	RO	0	48869
L2 Oscilloscope 49	Line Current L2 Sample #49	float	RO	0	48871
L2 Oscilloscope 50	Line Current L2 Sample #50	float	RO	0	48873
L2 Oscilloscope 51	Line Current L2 Sample #51	float	RO	0	48875
L2 Oscilloscope 52	Line Current L2 Sample #52	float	RO	0	48877
L2 Oscilloscope 53	Line Current L2 Sample #53	float	RO	0	48879
L2 Oscilloscope 54	Line Current L2 Sample #54	float	RO	0	48881
L2 Oscilloscope 55	Line Current L2 Sample #55	float	RO	0	48883
L2 Oscilloscope 56	Line Current L2 Sample #56	float	RO	0	48885
L2 Oscilloscope 57	Line Current L2 Sample #57	float	RO	0	48887
L2 Oscilloscope 58	Line Current L2 Sample #58	float	RO	0	48889
L2 Oscilloscope 59	Line Current L2 Sample #59	float	RO	0	48891
L2 Oscilloscope 60	Line Current L2 Sample #60	float	RO	0	48893
L2 Oscilloscope 61	Line Current L2 Sample #61	float	RO	0	48895
L2 Oscilloscope 62	Line Current L2 Sample #62	float	RO	0	48897
L2 Oscilloscope 63	Line Current L2 Sample #63	float	RO	0	48899
L2 Oscilloscope 64	Line Current L2 Sample #64	float	RO	0	48901
L2 Oscilloscope 65	Line Current L2 Sample #65	float	RO	0	48903
L2 Oscilloscope 66	Line Current L2 Sample #66	float	RO	0	48905
L2 Oscilloscope 67	Line Current L2 Sample #67	float	RO	0	48907
L2 Oscilloscope 68	Line Current L2 Sample #68	float	RO	0	48909
L2 Oscilloscope 69	Line Current L2 Sample #69	float	RO	0	48911
L2 Oscilloscope 70	Line Current L2 Sample #70	float	RO	0	48913
L2 Oscilloscope 71	Line Current L2 Sample #71	float	RO	0	48915
L2 Oscilloscope 72	Line Current L2 Sample #72	float	RO	0	48917
L2 Oscilloscope 73	Line Current L2 Sample #73	float	RO	0	48919
L2 Oscilloscope 74	Line Current L2 Sample #74	float	RO	0	48921
L2 Oscilloscope 75	Line Current L2 Sample #75	float	RO	0	48923
L2 Oscilloscope 76	Line Current L2 Sample #76	float	RO	0	48925
L2 Oscilloscope 77	Line Current L2 Sample #77	float	RO	0	48927
L2 Oscilloscope 78	Line Current L2 Sample #78	float	RO	0	48929
L2 Oscilloscope 79	Line Current L2 Sample #79	float	RO	0	48931
L2 Oscilloscope 80	Line Current L2 Sample #80	float	RO	0	48933
L2 Oscilloscope 81	Line Current L2 Sample #81	float	RO	0	48935
L2 Oscilloscope 82	Line Current L2 Sample #82	float	RO	0	48937
L2 Oscilloscope 83	Line Current L2 Sample #83	float	RO	0	48939
L2 Oscilloscope 84	Line Current L2 Sample #84	float	RO	0	48941
L2 Oscilloscope 85	Line Current L2 Sample #85	float	RO	0	48943
L2 Oscilloscope 86	Line Current L2 Sample #86	float	RO	0	48945
L2 Oscilloscope 87	Line Current L2 Sample #87	float	RO	0	48947
L2 Oscilloscope 88	Line Current L2 Sample #88	float	RO	0	48949
L2 Oscilloscope 89	Line Current L2 Sample #89	float	RO	0	48951
L2 Oscilloscope 90	Line Current L2 Sample #90	float	RO	0	48953
L2 Oscilloscope 91	Line Current L2 Sample #91	float	RO	0	48955
L2 Oscilloscope 92	Line Current L2 Sample #92	float	RO	0	48957
L2 Oscilloscope 93	Line Current L2 Sample #93	float	RO	0	48959
L2 Oscilloscope 94	Line Current L2 Sample #94	float	RO	0	48961
L2 Oscilloscope 95	Line Current L2 Sample #95	float	RO	0	48963
L2 Oscilloscope 96	Line Current L2 Sample #96	float	RO	0	48965
L2 Oscilloscope 97	Line Current L2 Sample #97	float	RO	0	48967
L2 Oscilloscope 98	Line Current L2 Sample #98	float	RO	0	48969
L2 Oscilloscope 99	Line Current L2 Sample #99	float	RO	0	48971
L2 Oscilloscope 100	Line Current L2 Sample #100	float	RO	0	48973
L2 Oscilloscope 101	Line Current L2 Sample #101	float	RO	0	48975
L2 Oscilloscope 102	Line Current L2 Sample #102	float	RO	0	48977
L2 Oscilloscope 103	Line Current L2 Sample #103	float	RO	0	48979
L2 Oscilloscope 104	Line Current L2 Sample #104	float	RO	0	48981
L2 Oscilloscope 105	Line Current L2 Sample #105	float	RO	0	48983
L2 Oscilloscope 106	Line Current L2 Sample #106	float	RO	0	48985
L2 Oscilloscope 107	Line Current L2 Sample #107	float	RO	0	48987
L2 Oscilloscope 108	Line Current L2 Sample #108	float	RO	0	48989
L2 Oscilloscope 109	Line Current L2 Sample #109	float	RO	0	48991
L2 Oscilloscope 110	Line Current L2 Sample #110	float	RO	0	48993
L2 Oscilloscope 111	Line Current L2 Sample #111	float	RO	0	48995
L2 Oscilloscope 112	Line Current L2 Sample #112	float	RO	0	48997
L2 Oscilloscope 113	Line Current L2 Sample #113	float	RO	0	48999
L2 Oscilloscope 114	Line Current L2 Sample #114	float	RO	0	49001
L2 Oscilloscope 115	Line Current L2 Sample #115	float	RO	0	49003
L2 Oscilloscope 116	Line Current L2 Sample #116	float	RO	0	49005
L2 Oscilloscope 117	Line Current L2 Sample #117	float	RO	0	49007
L2 Oscilloscope 118	Line Current L2 Sample #118	float	RO	0	49009
L2 Oscilloscope 119	Line Current L2 Sample #119	float	RO	0	49011
L2 Oscilloscope 120	Line Current L2 Sample #120	float	RO	0	49013
L2 Oscilloscope 121	Line Current L2 Sample #121	float	RO	0	49015
L2 Oscilloscope 122	Line Current L2 Sample #122	float	RO	0	49017
L2 Oscilloscope 123	Line Current L2 Sample #123	float	RO	0	49019
L2 Oscilloscope 124	Line Current L2 Sample #124	float	RO	0	49021
L2 Oscilloscope 125	Line Current L2 Sample #125	float	RO	0	49023
L2 Oscilloscope 126	Line Current L2 Sample #126	float	RO	0	49025
L2 Oscilloscope 127	Line Current L2 Sample #127	float	RO	0	49027
L3 Oscilloscope 0	Line Current L3 Sample #0	float	RO	0	49029
L3 Oscilloscope 1	Line Current L3 Sample #1	float	RO	0	49031
L3 Oscilloscope 2	Line Current L3 Sample #2	float	RO	0	49033
L3 Oscilloscope 3	Line Current L3 Sample #3	float	RO	0	49035
L3 Oscilloscope 4	Line Current L3 Sample #4	float	RO	0	49037
L3 Oscilloscope 5	Line Current L3 Sample #5	float	RO	0	49039
L3 Oscilloscope 6	Line Current L3 Sample #6	float	RO	0	49041
L3 Oscilloscope 7	Line Current L3 Sample #7	float	RO	0	49043
L3 Oscilloscope 8	Line Current L3 Sample #8	float	RO	0	49045
L3 Oscilloscope 9	Line Current L3 Sample #9	float	RO	0	49047
L3 Oscilloscope 10	Line Current L3 Sample #10	float	RO	0	49049
L3 Oscilloscope 11	Line Current L3 Sample #11	float	RO	0	49051
L3 Oscilloscope 12	Line Current L3 Sample #12	float	RO	0	49053
L3 Oscilloscope 13	Line Current L3 Sample #13	float	RO	0	49055
L3 Oscilloscope 14	Line Current L3 Sample #14	float	RO	0	49057
L3 Oscilloscope 15	Line Current L3 Sample #15	float	RO	0	49059
L3 Oscilloscope 16	Line Current L3 Sample #16	float	RO	0	49061
L3 Oscilloscope 17	Line Current L3 Sample #17	float	RO	0	49063
L3 Oscilloscope 18	Line Current L3 Sample #18	float	RO	0	49065
L3 Oscilloscope 19	Line Current L3 Sample #19	float	RO	0	49067
L3 Oscilloscope 20	Line Current L3 Sample #20	float	RO	0	49069
L3 Oscilloscope 21	Line Current L3 Sample #21	float	RO	0	49071
L3 Oscilloscope 22	Line Current L3 Sample #22	float	RO	0	49073
L3 Oscilloscope 23	Line Current L3 Sample #23	float	RO	0	49075
L3 Oscilloscope 24	Line Current L3 Sample #24	float	RO	0	49077
L3 Oscilloscope 25	Line Current L3 Sample #25	float	RO	0	49079
L3 Oscilloscope 26	Line Current L3 Sample #26	float	RO	0	49081
L3 Oscilloscope 27	Line Current L3 Sample #27	float	RO	0	49083
L3 Oscilloscope 28	Line Current L3 Sample #28	float	RO	0	49085
L3 Oscilloscope 29	Line Current L3 Sample #29	float	RO	0	49087
L3 Oscilloscope 30	Line Current L3 Sample #30	float	RO	0	49089
L3 Oscilloscope 31	Line Current L3 Sample #31	float	RO	0	49091
L3 Oscilloscope 32	Line Current L3 Sample #32	float	RO	0	49093
L3 Oscilloscope 33	Line Current L3 Sample #33	float	RO	0	49095
L3 Oscilloscope 34	Line Current L3 Sample #34	float	RO	0	49097
L3 Oscilloscope 35	Line Current L3 Sample #35	float	RO	0	49099
L3 Oscilloscope 36	Line Current L3 Sample #36	float	RO	0	49101
L3 Oscilloscope 37	Line Current L3 Sample #37	float	RO	0	49103
L3 Oscilloscope 38	Line Current L3 Sample #38	float	RO	0	49105
L3 Oscilloscope 39	Line Current L3 Sample #39	float	RO	0	49107

Only FULL version

- R/W legend:
- RO: Read only
 - WO: Write only
 - R/W: Read and write

Register Name	Description	Register Type	R/W	Default	Modbus Address
L3 Oscilloscope 40	Line Current L3 Sample #40	float	RO	0	49109
L3 Oscilloscope 41	Line Current L3 Sample #41	float	RO	0	49111
L3 Oscilloscope 42	Line Current L3 Sample #42	float	RO	0	49113
L3 Oscilloscope 43	Line Current L3 Sample #43	float	RO	0	49115
L3 Oscilloscope 44	Line Current L3 Sample #44	float	RO	0	49117
L3 Oscilloscope 45	Line Current L3 Sample #45	float	RO	0	49119
L3 Oscilloscope 46	Line Current L3 Sample #46	float	RO	0	49121
L3 Oscilloscope 47	Line Current L3 Sample #47	float	RO	0	49123
L3 Oscilloscope 48	Line Current L3 Sample #48	float	RO	0	49125
L3 Oscilloscope 49	Line Current L3 Sample #49	float	RO	0	49127
L3 Oscilloscope 50	Line Current L3 Sample #50	float	RO	0	49129
L3 Oscilloscope 51	Line Current L3 Sample #51	float	RO	0	49131
L3 Oscilloscope 52	Line Current L3 Sample #52	float	RO	0	49133
L3 Oscilloscope 53	Line Current L3 Sample #53	float	RO	0	49135
L3 Oscilloscope 54	Line Current L3 Sample #54	float	RO	0	49137
L3 Oscilloscope 55	Line Current L3 Sample #55	float	RO	0	49139
L3 Oscilloscope 56	Line Current L3 Sample #56	float	RO	0	49141
L3 Oscilloscope 57	Line Current L3 Sample #57	float	RO	0	49143
L3 Oscilloscope 58	Line Current L3 Sample #58	float	RO	0	49145
L3 Oscilloscope 59	Line Current L3 Sample #59	float	RO	0	49147
L3 Oscilloscope 60	Line Current L3 Sample #60	float	RO	0	49149
L3 Oscilloscope 61	Line Current L3 Sample #61	float	RO	0	49151
L3 Oscilloscope 62	Line Current L3 Sample #62	float	RO	0	49153
L3 Oscilloscope 63	Line Current L3 Sample #63	float	RO	0	49155
L3 Oscilloscope 64	Line Current L3 Sample #64	float	RO	0	49157
L3 Oscilloscope 65	Line Current L3 Sample #65	float	RO	0	49159
L3 Oscilloscope 66	Line Current L3 Sample #66	float	RO	0	49161
L3 Oscilloscope 67	Line Current L3 Sample #67	float	RO	0	49163
L3 Oscilloscope 68	Line Current L3 Sample #68	float	RO	0	49165
L3 Oscilloscope 69	Line Current L3 Sample #69	float	RO	0	49167
L3 Oscilloscope 70	Line Current L3 Sample #70	float	RO	0	49169
L3 Oscilloscope 71	Line Current L3 Sample #71	float	RO	0	49171
L3 Oscilloscope 72	Line Current L3 Sample #72	float	RO	0	49173
L3 Oscilloscope 73	Line Current L3 Sample #73	float	RO	0	49175
L3 Oscilloscope 74	Line Current L3 Sample #74	float	RO	0	49177
L3 Oscilloscope 75	Line Current L3 Sample #75	float	RO	0	49179
L3 Oscilloscope 76	Line Current L3 Sample #76	float	RO	0	49181
L3 Oscilloscope 77	Line Current L3 Sample #77	float	RO	0	49183
L3 Oscilloscope 78	Line Current L3 Sample #78	float	RO	0	49185
L3 Oscilloscope 79	Line Current L3 Sample #79	float	RO	0	49187
L3 Oscilloscope 80	Line Current L3 Sample #80	float	RO	0	49189
L3 Oscilloscope 81	Line Current L3 Sample #81	float	RO	0	49191
L3 Oscilloscope 82	Line Current L3 Sample #82	float	RO	0	49193
L3 Oscilloscope 83	Line Current L3 Sample #83	float	RO	0	49195
L3 Oscilloscope 84	Line Current L3 Sample #84	float	RO	0	49197
L3 Oscilloscope 85	Line Current L3 Sample #85	float	RO	0	49199
L3 Oscilloscope 86	Line Current L3 Sample #86	float	RO	0	49201
L3 Oscilloscope 87	Line Current L3 Sample #87	float	RO	0	49203
L3 Oscilloscope 88	Line Current L3 Sample #88	float	RO	0	49205
L3 Oscilloscope 89	Line Current L3 Sample #89	float	RO	0	49207
L3 Oscilloscope 90	Line Current L3 Sample #90	float	RO	0	49209
L3 Oscilloscope 91	Line Current L3 Sample #91	float	RO	0	49211
L3 Oscilloscope 92	Line Current L3 Sample #92	float	RO	0	49213
L3 Oscilloscope 93	Line Current L3 Sample #93	float	RO	0	49215
L3 Oscilloscope 94	Line Current L3 Sample #94	float	RO	0	49217
L3 Oscilloscope 95	Line Current L3 Sample #95	float	RO	0	49219
L3 Oscilloscope 96	Line Current L3 Sample #96	float	RO	0	49221
L3 Oscilloscope 97	Line Current L3 Sample #97	float	RO	0	49223
L3 Oscilloscope 98	Line Current L3 Sample #98	float	RO	0	49225
L3 Oscilloscope 99	Line Current L3 Sample #99	float	RO	0	49227
L3 Oscilloscope 100	Line Current L3 Sample #100	float	RO	0	49229
L3 Oscilloscope 101	Line Current L3 Sample #101	float	RO	0	49231
L3 Oscilloscope 102	Line Current L3 Sample #102	float	RO	0	49233
L3 Oscilloscope 103	Line Current L3 Sample #103	float	RO	0	49235
L3 Oscilloscope 104	Line Current L3 Sample #104	float	RO	0	49237
L3 Oscilloscope 105	Line Current L3 Sample #105	float	RO	0	49239
L3 Oscilloscope 106	Line Current L3 Sample #106	float	RO	0	49241
L3 Oscilloscope 107	Line Current L3 Sample #107	float	RO	0	49243
L3 Oscilloscope 108	Line Current L3 Sample #108	float	RO	0	49245
L3 Oscilloscope 109	Line Current L3 Sample #109	float	RO	0	49247
L3 Oscilloscope 110	Line Current L3 Sample #110	float	RO	0	49249
L3 Oscilloscope 111	Line Current L3 Sample #111	float	RO	0	49251
L3 Oscilloscope 112	Line Current L3 Sample #112	float	RO	0	49253
L3 Oscilloscope 113	Line Current L3 Sample #113	float	RO	0	49255
L3 Oscilloscope 114	Line Current L3 Sample #114	float	RO	0	49257
L3 Oscilloscope 115	Line Current L3 Sample #115	float	RO	0	49259
L3 Oscilloscope 116	Line Current L3 Sample #116	float	RO	0	49261
L3 Oscilloscope 117	Line Current L3 Sample #117	float	RO	0	49263
L3 Oscilloscope 118	Line Current L3 Sample #118	float	RO	0	49265
L3 Oscilloscope 119	Line Current L3 Sample #119	float	RO	0	49267
L3 Oscilloscope 120	Line Current L3 Sample #120	float	RO	0	49269
L3 Oscilloscope 121	Line Current L3 Sample #121	float	RO	0	49271
L3 Oscilloscope 122	Line Current L3 Sample #122	float	RO	0	49273
L3 Oscilloscope 123	Line Current L3 Sample #123	float	RO	0	49275
L3 Oscilloscope 124	Line Current L3 Sample #124	float	RO	0	49277
L3 Oscilloscope 125	Line Current L3 Sample #125	float	RO	0	49279
L3 Oscilloscope 126	Line Current L3 Sample #126	float	RO	0	49281
L3 Oscilloscope 127	Line Current L3 Sample #127	float	RO	0	49283
N Oscilloscope 0	Line Current N Sample #0	float	RO	0	49285
N Oscilloscope 1	Line Current N Sample #1	float	RO	0	49287
N Oscilloscope 2	Line Current N Sample #2	float	RO	0	49289
N Oscilloscope 3	Line Current N Sample #3	float	RO	0	49291
N Oscilloscope 4	Line Current N Sample #4	float	RO	0	49293
N Oscilloscope 5	Line Current N Sample #5	float	RO	0	49295
N Oscilloscope 6	Line Current N Sample #6	float	RO	0	49297
N Oscilloscope 7	Line Current N Sample #7	float	RO	0	49299
N Oscilloscope 8	Line Current N Sample #8	float	RO	0	49301
N Oscilloscope 9	Line Current N Sample #9	float	RO	0	49303
N Oscilloscope 10	Line Current N Sample #10	float	RO	0	49305
N Oscilloscope 11	Line Current N Sample #11	float	RO	0	49307
N Oscilloscope 12	Line Current N Sample #12	float	RO	0	49309
N Oscilloscope 13	Line Current N Sample #13	float	RO	0	49311
N Oscilloscope 14	Line Current N Sample #14	float	RO	0	49313
N Oscilloscope 15	Line Current N Sample #15	float	RO	0	49315
N Oscilloscope 16	Line Current N Sample #16	float	RO	0	49317
N Oscilloscope 17	Line Current N Sample #17	float	RO	0	49319
N Oscilloscope 18	Line Current N Sample #18	float	RO	0	49321
N Oscilloscope 19	Line Current N Sample #19	float	RO	0	49323
N Oscilloscope 20	Line Current N Sample #20	float	RO	0	49325
N Oscilloscope 21	Line Current N Sample #21	float	RO	0	49327
N Oscilloscope 22	Line Current N Sample #22	float	RO	0	49329
N Oscilloscope 23	Line Current N Sample #23	float	RO	0	49331
N Oscilloscope 24	Line Current N Sample #24	float	RO	0	49333
N Oscilloscope 25	Line Current N Sample #25	float	RO	0	49335
N Oscilloscope 26	Line Current N Sample #26	float	RO	0	49337
N Oscilloscope 27	Line Current N Sample #27	float	RO	0	49339
N Oscilloscope 28	Line Current N Sample #28	float	RO	0	49341
N Oscilloscope 29	Line Current N Sample #29	float	RO	0	49343
N Oscilloscope 30	Line Current N Sample #30	float	RO	0	49345
N Oscilloscope 31	Line Current N Sample #31	float	RO	0	49347
N Oscilloscope 32	Line Current N Sample #32	float	RO	0	49349
N Oscilloscope 33	Line Current N Sample #33	float	RO	0	49351
N Oscilloscope 34	Line Current N Sample #34	float	RO	0	49353
N Oscilloscope 35	Line Current N Sample #35	float	RO	0	49355
N Oscilloscope 36	Line Current N Sample #36	float	RO	0	49357
N Oscilloscope 37	Line Current N Sample #37	float	RO	0	49359
N Oscilloscope 38	Line Current N Sample #38	float	RO	0	49361
N Oscilloscope 39	Line Current N Sample #39	float	RO	0	49363
N Oscilloscope 40	Line Current N Sample #40	float	RO	0	49365



Register Name	Description	Register Type	R/W	Default	Modbus Address
I N Oscilloscope 41	Line Current N Sample #41	float	RO	0	49367
I N Oscilloscope 42	Line Current N Sample #42	float	RO	0	49369
I N Oscilloscope 43	Line Current N Sample #43	float	RO	0	49371
I N Oscilloscope 44	Line Current N Sample #44	float	RO	0	49373
I N Oscilloscope 45	Line Current N Sample #45	float	RO	0	49375
I N Oscilloscope 46	Line Current N Sample #46	float	RO	0	49377
I N Oscilloscope 47	Line Current N Sample #47	float	RO	0	49379
I N Oscilloscope 48	Line Current N Sample #48	float	RO	0	49381
I N Oscilloscope 49	Line Current N Sample #49	float	RO	0	49383
I N Oscilloscope 50	Line Current N Sample #50	float	RO	0	49385
I N Oscilloscope 51	Line Current N Sample #51	float	RO	0	49387
I N Oscilloscope 52	Line Current N Sample #52	float	RO	0	49389
I N Oscilloscope 53	Line Current N Sample #53	float	RO	0	49391
I N Oscilloscope 54	Line Current N Sample #54	float	RO	0	49393
I N Oscilloscope 55	Line Current N Sample #55	float	RO	0	49395
I N Oscilloscope 56	Line Current N Sample #56	float	RO	0	49397
I N Oscilloscope 57	Line Current N Sample #57	float	RO	0	49399
I N Oscilloscope 58	Line Current N Sample #58	float	RO	0	49401
I N Oscilloscope 59	Line Current N Sample #59	float	RO	0	49403
I N Oscilloscope 60	Line Current N Sample #60	float	RO	0	49405
I N Oscilloscope 61	Line Current N Sample #61	float	RO	0	49407
I N Oscilloscope 62	Line Current N Sample #62	float	RO	0	49409
I N Oscilloscope 63	Line Current N Sample #63	float	RO	0	49411
I N Oscilloscope 64	Line Current N Sample #64	float	RO	0	49413
I N Oscilloscope 65	Line Current N Sample #65	float	RO	0	49415
I N Oscilloscope 66	Line Current N Sample #66	float	RO	0	49417
I N Oscilloscope 67	Line Current N Sample #67	float	RO	0	49419
I N Oscilloscope 68	Line Current N Sample #68	float	RO	0	49421
I N Oscilloscope 69	Line Current N Sample #69	float	RO	0	49423
I N Oscilloscope 70	Line Current N Sample #70	float	RO	0	49425
I N Oscilloscope 71	Line Current N Sample #71	float	RO	0	49427
I N Oscilloscope 72	Line Current N Sample #72	float	RO	0	49429
I N Oscilloscope 73	Line Current N Sample #73	float	RO	0	49431
I N Oscilloscope 74	Line Current N Sample #74	float	RO	0	49433
I N Oscilloscope 75	Line Current N Sample #75	float	RO	0	49435
I N Oscilloscope 76	Line Current N Sample #76	float	RO	0	49437
I N Oscilloscope 77	Line Current N Sample #77	float	RO	0	49439
I N Oscilloscope 78	Line Current N Sample #78	float	RO	0	49441
I N Oscilloscope 79	Line Current N Sample #79	float	RO	0	49443
I N Oscilloscope 80	Line Current N Sample #80	float	RO	0	49445
I N Oscilloscope 81	Line Current N Sample #81	float	RO	0	49447
I N Oscilloscope 82	Line Current N Sample #82	float	RO	0	49449
I N Oscilloscope 83	Line Current N Sample #83	float	RO	0	49451
I N Oscilloscope 84	Line Current N Sample #84	float	RO	0	49453
I N Oscilloscope 85	Line Current N Sample #85	float	RO	0	49455
I N Oscilloscope 86	Line Current N Sample #86	float	RO	0	49457
I N Oscilloscope 87	Line Current N Sample #87	float	RO	0	49459
I N Oscilloscope 88	Line Current N Sample #88	float	RO	0	49461
I N Oscilloscope 89	Line Current N Sample #89	float	RO	0	49463
I N Oscilloscope 90	Line Current N Sample #90	float	RO	0	49465
I N Oscilloscope 91	Line Current N Sample #91	float	RO	0	49467
I N Oscilloscope 92	Line Current N Sample #92	float	RO	0	49469
I N Oscilloscope 93	Line Current N Sample #93	float	RO	0	49471
I N Oscilloscope 94	Line Current N Sample #94	float	RO	0	49473
I N Oscilloscope 95	Line Current N Sample #95	float	RO	0	49475
I N Oscilloscope 96	Line Current N Sample #96	float	RO	0	49477
I N Oscilloscope 97	Line Current N Sample #97	float	RO	0	49479
I N Oscilloscope 98	Line Current N Sample #98	float	RO	0	49481
I N Oscilloscope 99	Line Current N Sample #99	float	RO	0	49483
I N Oscilloscope 100	Line Current N Sample #100	float	RO	0	49485
I N Oscilloscope 101	Line Current N Sample #101	float	RO	0	49487
I N Oscilloscope 102	Line Current N Sample #102	float	RO	0	49489
I N Oscilloscope 103	Line Current N Sample #103	float	RO	0	49491
I N Oscilloscope 104	Line Current N Sample #104	float	RO	0	49493
I N Oscilloscope 105	Line Current N Sample #105	float	RO	0	49495
I N Oscilloscope 106	Line Current N Sample #106	float	RO	0	49497
I N Oscilloscope 107	Line Current N Sample #107	float	RO	0	49499
I N Oscilloscope 108	Line Current N Sample #108	float	RO	0	49501
I N Oscilloscope 109	Line Current N Sample #109	float	RO	0	49503
I N Oscilloscope 110	Line Current N Sample #110	float	RO	0	49505
I N Oscilloscope 111	Line Current N Sample #111	float	RO	0	49507
I N Oscilloscope 112	Line Current N Sample #112	float	RO	0	49509
I N Oscilloscope 113	Line Current N Sample #113	float	RO	0	49511
I N Oscilloscope 114	Line Current N Sample #114	float	RO	0	49513
I N Oscilloscope 115	Line Current N Sample #115	float	RO	0	49515
I N Oscilloscope 116	Line Current N Sample #116	float	RO	0	49517
I N Oscilloscope 117	Line Current N Sample #117	float	RO	0	49519
I N Oscilloscope 118	Line Current N Sample #118	float	RO	0	49521
I N Oscilloscope 119	Line Current N Sample #119	float	RO	0	49523
I N Oscilloscope 120	Line Current N Sample #120	float	RO	0	49525
I N Oscilloscope 121	Line Current N Sample #121	float	RO	0	49527
I N Oscilloscope 122	Line Current N Sample #122	float	RO	0	49529
I N Oscilloscope 123	Line Current N Sample #123	float	RO	0	49531
I N Oscilloscope 124	Line Current N Sample #124	float	RO	0	49533
I N Oscilloscope 125	Line Current N Sample #125	float	RO	0	49535
I N Oscilloscope 126	Line Current N Sample #126	float	RO	0	49537
I N Oscilloscope 127	Line Current N Sample #127	float	RO	0	49539