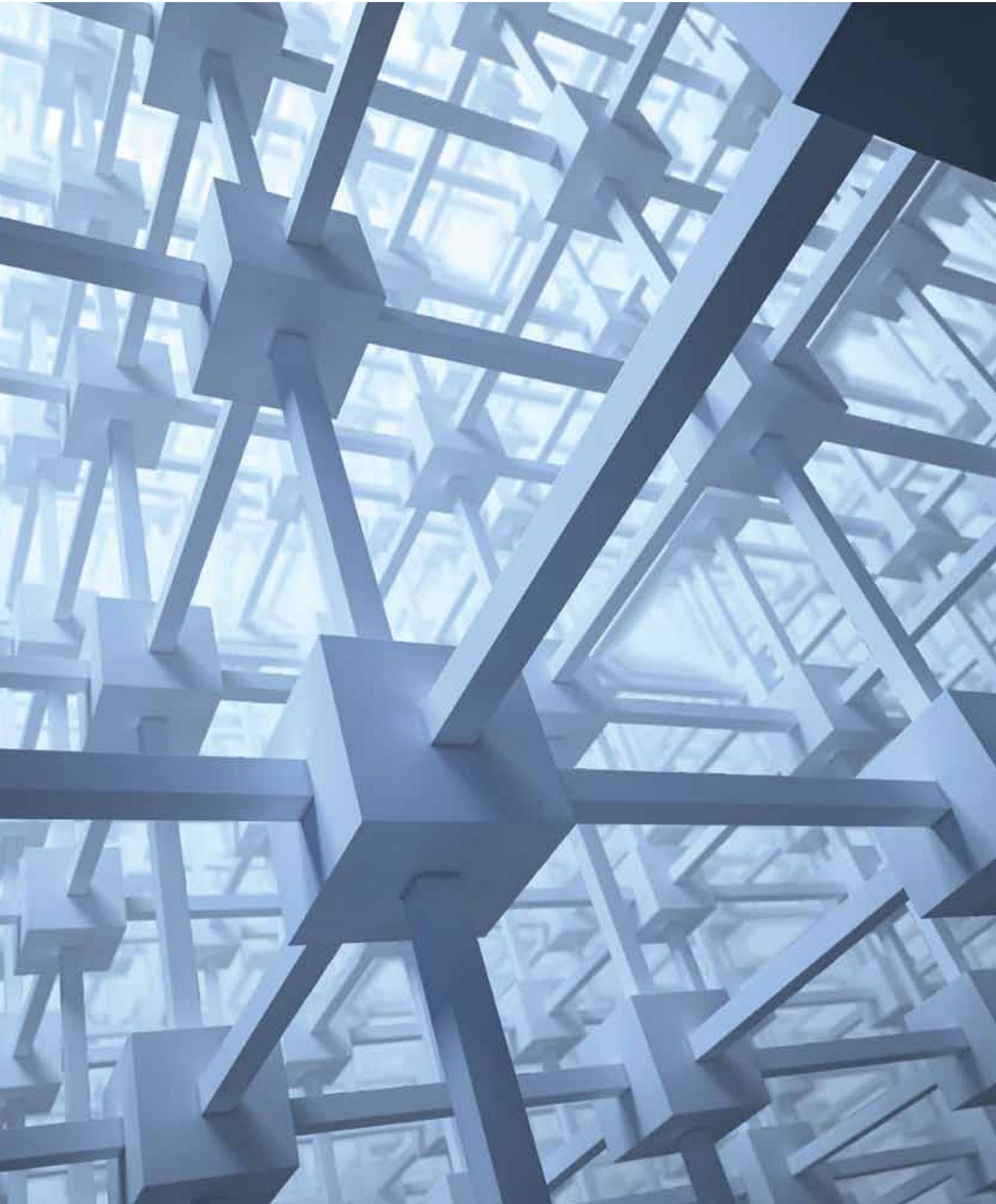


ELNet

Energy & Power Quality Powermeter

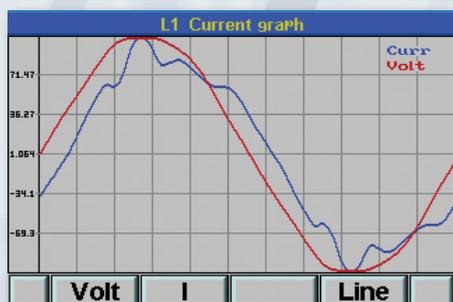


ELNet GR/PQ

Energy & Power quality analyzer

Class A compatible (PQ only).
 Accuracy 0.2% (0.1% optional special calibration).
 1,600 samples per cycle.
 EN50160 testing reports (PQ only).
 On events waveform recording (PQ only).
 Electrical variables display.
 Data logging – up to 2 years.
 Ethernet (TCP/IP) & RS-232/485 ports.
 Modbus and BACnet protocols (RTU/MSTP/IP).
 Web browser capability.
 Programmable Relays.
 Multilingual simple operated menus.
 Fast trend reports.
 Harmonics measurements – up to 64th Harmonic.
 Historical log with up to 1,000 Alarms.
 5.7" High resolution display (320x234 pixels).
 Waveform and 3D Bar graph displays.
 Panel / DIN Rail mounted.

Additional Options: Fault Passage Detection, Neutral to Earth voltage measurement, Leakage current measurement, Neutral line current measurement, Unbalanced Current & Voltage measurements.



Technical Specifications

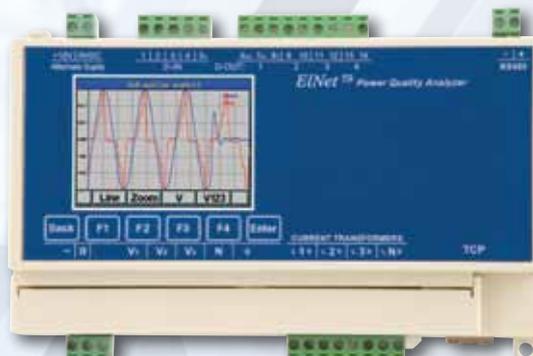
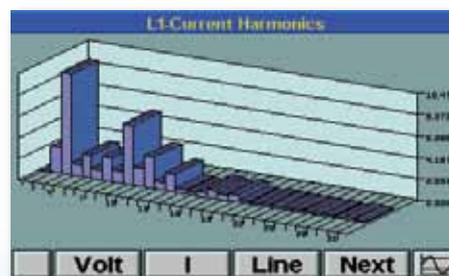
Power Requirements : 90 - 250 VAC
 : 110 - 280 VDC
 : 12 - 70 VAC/DC (optional)
 : 60/50 Hz
 : 8VA
 Dimensions (H x W x D) : 144 x 144 x 100 mm
 Shipping Weight : 1,000 gr.
 Working Conditions : -20 – 70°C
 : 0 - 95 RH%

Measurement Range:

Voltage : 0 - 515 VAC
 Voltage (with transformer) : up to 99999 KV
 Current (with transformer) : up to 99999 KA
 Maximum Input Voltage : 1000V
 Maximum Input Current : 6A

Standard Approvals:

IEC 62053-22, IEC 62053-23, IEC 62052-11, UL, CE, BTL



ELNet LT

Power Quality & Energy Powermeter

Accuracy 0.2 (0.1% optional special calibration).
 1,600 samples per cycle.
 Electrical variables display.
 Up to 6 months of energy data logging.
 Build in T.O.U Energy meter.
 Harmonics measurements - up to 64th Harmonic.
 Multilingual simple operated menus.
 RS-485 Communication Port.
 Modbus and BACnet protocols (RTU/MSTP).
 Programmable output (SO).
 High resolution color display (320x240 pixels).
 Display of Waveform and Bar graph.
 Simple installation – panel mounted.
Additional Options: Leakage current measurement, Neutral line current measurement, TCP/IP & Web browser, email alarm message, Fast trend report, Internal trend database.

Technical Specifications

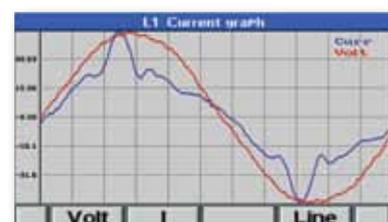
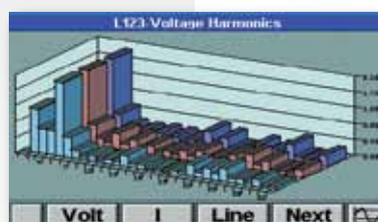
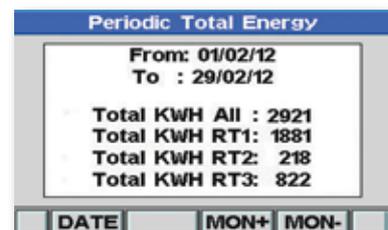
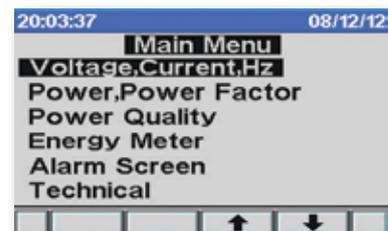
Power Requirements : 90 - 250 VAC
 : 110 - 280 VDC
 : 60/50 Hz
 : 8VA
 Dimensions (H x W x D) : 96 x 96 x 80 mm
 Shipping Weight : 650 gr.
 Working Conditions : -20 – 70°C
 : 0 - 95 RH%

Measurement Range:

Voltage : 0 - 515 VAC
 Voltage (with transformer) : up to 99999 KV
 Current (with transformer) : up to 99999 KA
 Maximum Input Voltage : 1000V
 Maximum Input Current : 6A

Standard Approvals:

IEC 62053-22, IEC 62053-23, IEC 62052-11, UL, CE, BTL



ELNet LTE Energy Powermeter

Voltage, Current, Frequency,
Power & Power Factor measurements.
THD-I & THD-V measurements.
Three phase Energy metering (optional).
Peak values display of all measurements.
Power demand for current and real power.
Accuracy 0.2%.
Programmable output (SO).
High resolution color display (320x240 pixels).
RS-485 Communication Port (Modbus).
Phase disorder & absence output.
Simple installation – panel mounted.

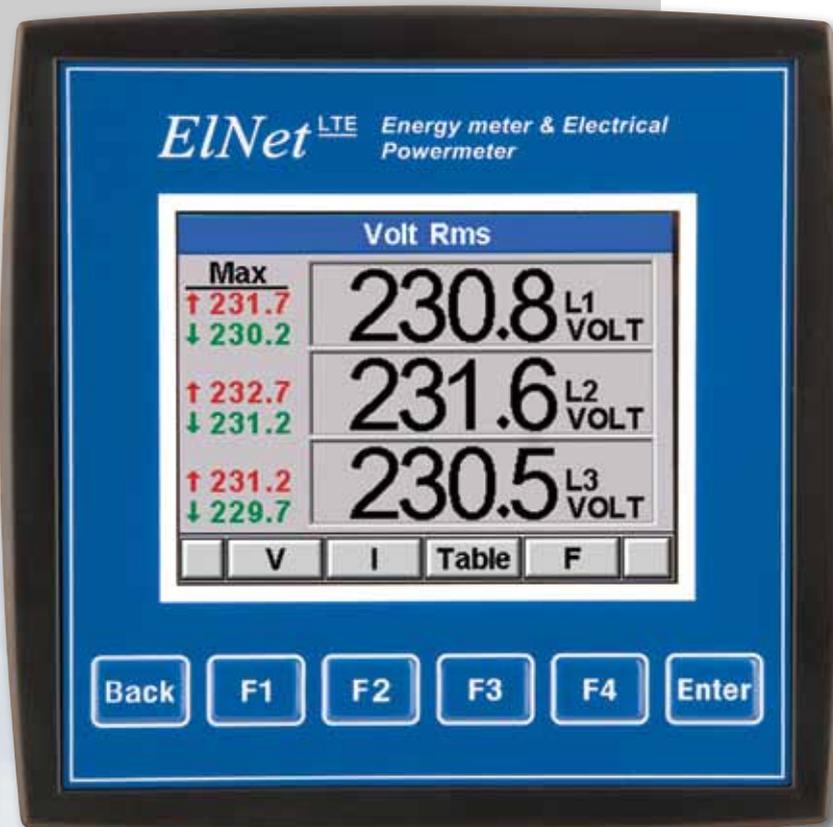
Technical Specifications

Power Requirements : 90 - 250 VAC
: 110 - 280 VDC
: 60/50 Hz
: 8VA
Dimensions (H x W x D) : 96 x 96 x 80 mm
Shipping Weight : 450 gr.
Working Conditions : -20 – 70°C
: 0 - 95 RH%

Measurement Range:

Voltage : 0 - 515 VAC
Voltage (with transformer) : up to 99999 KV
Current (with transformer) : up to 99999 KA
Maximum Input Voltage : 1000V
Maximum Input Current : 6A

Standard Approvals: IEC 60051-3, UL, CE



Combined Table			
	L1	L2	L3
V-LN	230.6	232.6	230.9
V-LL	400.2	401.5	400.1
AMP	2.5	1.8	3.0
KW	0.6	0.4	0.7
KVAR	0.1	0.1	0.2
KVA	0.6	0.4	0.7
PF	0.958	0.990	0.983
Hz	50.15	50.15	50.15

Power Factor	
Max ↑ 0.997 ↓ 0.957	0.981 L1 PF
↑ 1.000 ↓ 0.986	1.000 L2 PF
↑ 0.990 ↓ 0.940	0.954 L3 PF

Navigation buttons: P, Q, S, ΣL

Set Communication	
ADDRESS	1
BAUDRATE	4800
PARITY	EVEN

Navigation buttons: -, +, ↑, ↓

Total Power	
Max ↑ 1.813 ↓ 1.496	1.692 ΣP KW
↑ 1.839 ↓ 1.541	1.639 ΣS KVA
↑ 0.442 ↓ 0.169	0.280 ΣQ KVAR

Navigation buttons: P

Total Energy	
4134.941 KWH	
4184.562 KVAH	
642.517 KVRH	

Navigation buttons: L1

Combined Table			
	Volt	Amper	
L1	231.2 V	2.531 A	
L2	231.4 V	2.099 A	
L3	230.4 V	2.987 A	
L12	400.6 V	Current Line 0	
L23	399.9 V		
L13	399.8 V	0.461 A	

Navigation buttons: V, I, PF, F

ELNet VIP

Powermeter

Three phase Powermeter.
 Voltage, Current, Frequency, Power &
 Power Factor measurements.
 Peak values display of all measurements.
 Power demand for current and real power.
 Phase disorder & absence output.
 Accuracy 0.5%.
 LCD backlight display.
 Phase (LED) status indication.
 Simple installation – panel mounted.

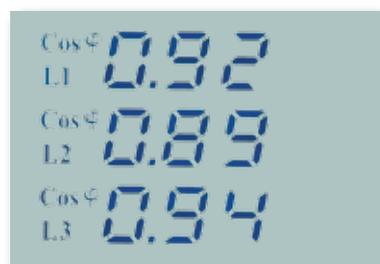
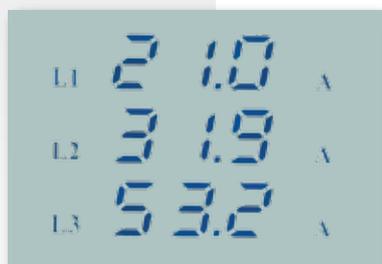
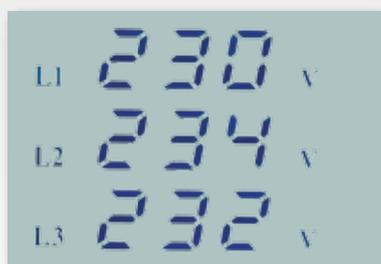
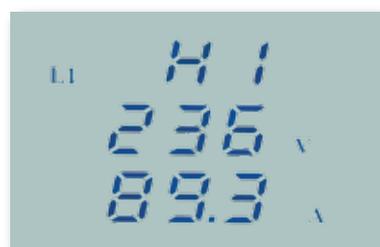
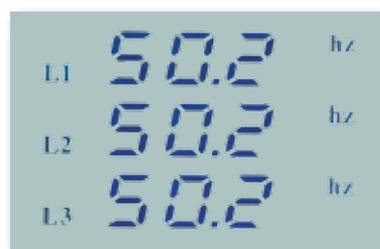
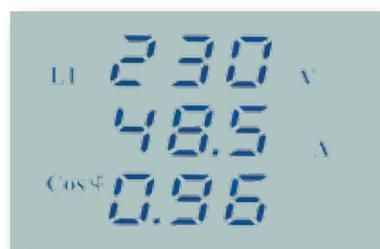
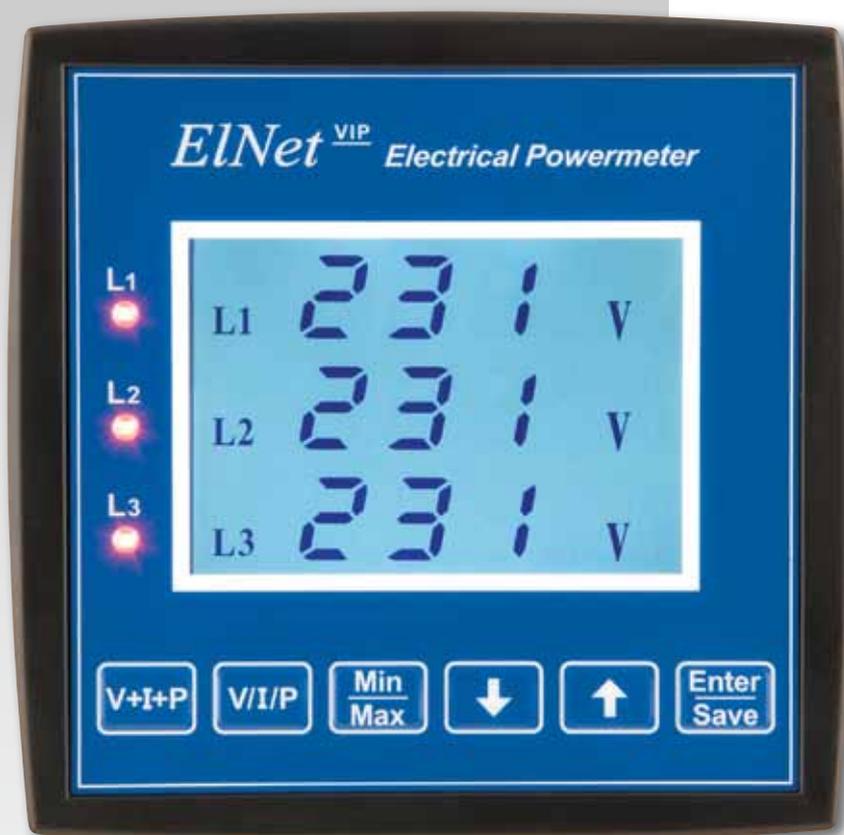
Technical Specifications

Power Requirements : 90 - 250 VAC
 : 110 - 280 VDC
 : 60/50 Hz
 : 8VA
 Dimensions (H x W x D) : 96 x 96 x 80 mm
 Shipping Weight : 450 gr.
 Working Conditions : -20 – 70°C
 : 0 - 95 RH%

Measurement Range:

Voltage : 0 - 320 VAC
 Voltage (with transformer) : up to 999 KV
 Current (with transformer) : up to 999 KA
 Maximum Input Voltage : 1000V
 Maximum Input Current : 6A

Standard Approvals: IEC 60051-3, UL, CE



ELNet LTC Power Factor Controller

Up to 16 switching relay stages.
 Real time Power Factor display.
 Voltage, Current, Power Factor & Harmonics measurements.
 Weekly & monthly Power Factor display.
 Auto detection of capacitors size.
 Harmonic's protection.
 Voltage & Current limits setting.
 Accuracy 0.2 %.
 1,600 samples per cycle.
 Up to 6 months of energy data logging.
 High resolution display (128x64 pixels).
 Multilingual simple operated menus.
 RS-485 Communication Port.
 Modbus and BACnet (optional) protocols.
 TCP/IP port & Web browser capability (optional).
 Simple installation – panel mounted.

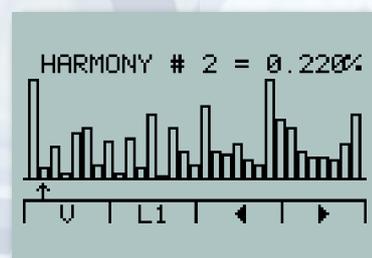
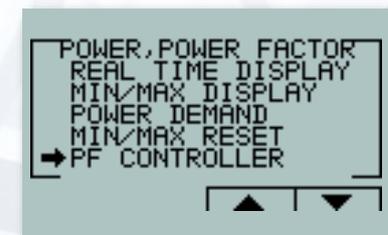
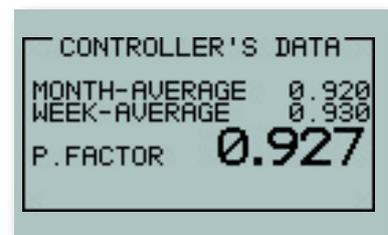
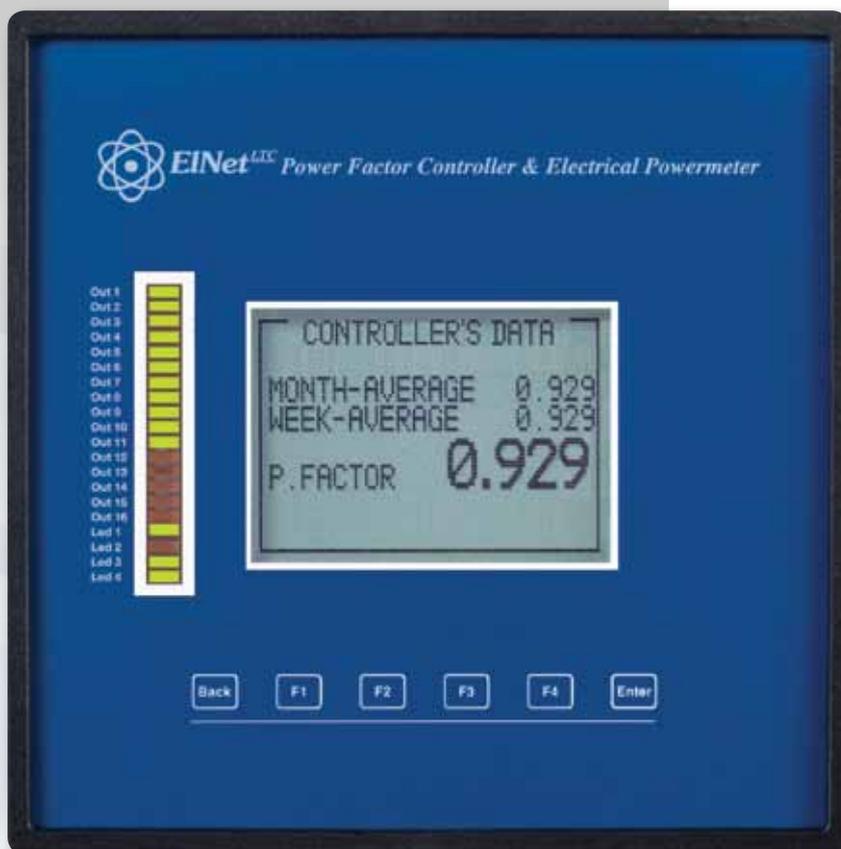
Technical Specifications

Power Requirements : 90 - 250 VAC
 : 110 - 280 VDC
 : 60/50 Hz
 : 8VA
 Dimensions (H x W x D) : 144 x 144 x100 mm
 Shipping Weight : 1,000 gr.
 Working Conditions : -20 – 70°C
 : 0 - 95 RH%

Measurement Range:

Voltage : 0 - 550 VAC
 Voltage (with transformer) : up to 99999 KV
 Current (with transformer) : up to 99999 KA
 Maximum Input Voltage : 1000V
 Maximum Input Current : 6A

Standard Approvals: IEC 600051-5, UL, CE



ELNet PFC

Power Factor Controller

- Up to 6 switching relay stages.
- Real time Power Factor display.
- Voltage, Current & Power Factor measurements.
- Weekly & monthly Power Factor display.
- Harmonic's protection.
- Voltage & Current limits setting.
- THD-I & THD-V measurements.
- Accuracy 0.5% .
- Auto detection of capacitors size.
- High resolution color display (320x240 pixels).
- Multilingual Simple operated menus.
- Simple installation – panel mounted.

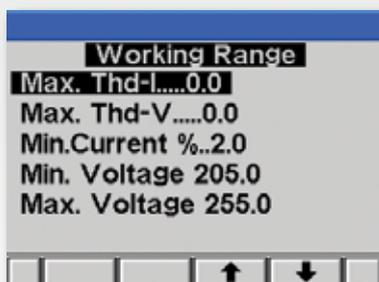
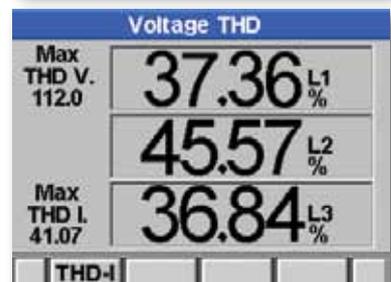
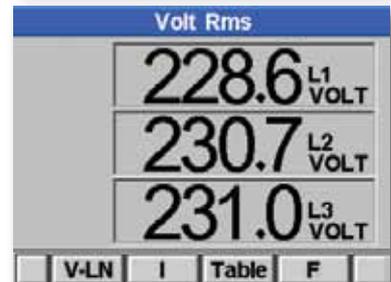
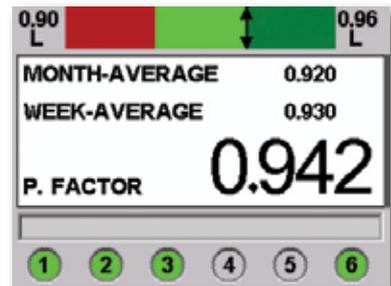
Technical Specifications

Power Requirements	: 90 - 250 VAC
	: 110 - 280 VDC
	: 60/50 Hz
	: 8VA
Dimensions (H x W x D)	: 96 x 96 x 80 mm
Shipping Weight	: 650 gr.
Working Conditions	-20 – 70°C
	: 0 - 95 RH%

Measurement Range:

Voltage	: 0 - 515 VAC
Voltage (with transformer)	: up to 99999 KV
Current (with transformer)	: up to 99999 KA
Maximum Input Voltage	: 1000V
Maximum Input Current	: 6A

Standard Approvals: IEC 60051-5, UL, CE



ELNet PIC Energy Powermeter

Accuracy 0.2 %.
1,600 samples per cycle.
Up to 6 months of energy data logging.
Build in T.O.U Energy meter.
Simple operated menus.
RS-485 Communication Port.
Modbus and BACnet protocols.
LCD display (2x12 characters).
Simple installation – DIN Rail mounted.
32 Harmoics analyzer.
Digital out S0 (optional).

Technical Specifications

Power Requirements : 90 - 250 VAC
: 110 - 280 VDC
: 60/50 Hz
: 8VA
Dimensions (H x W x D) : 96 x 76 x 57 mm
Shipping Weight : 450 gr.
Working Conditions : -20 – 70°C
: 0 - 95 RH%

Measurement Range:

Voltage : 0 - 550 VAC
Voltage (with transformer) : up to 99999 KV
Current (with transformer) : up to 99999 KA
Maximum Input Voltage : 1000V
Maximum Input Current : 6A/72A
Supported Current Sensors : 0.333 V / 1 Amp /
5 Amp / 63 Amp

Standard Approvals:

IEC 62053-22, IEC 62053-23, IEC 62052-11, UL, CE, BTL



ELNet MC

Multi channels Energy Powermeter

- Up to 12 sets of three phase energy meters or
- Up to 36 single phase energy meters or
- Up to 36 Digital Inputs.
- Up to 4 months of energy data logging.
- Electrical variables displays.
- 1,600 samples per cycle.
- Accuracy 0.2 %.
- Ethernet (TCP/IP) and RS-485 ports.
- Modbus and BACnet protocols (RTU/MSTP/IP).
- Web browser capability.
- Simple operated menus.
- High resolution color display (320x240 pixels).
- Simple installation – DIN Rail mounted.
- Multilingual support.

Technical Specifications

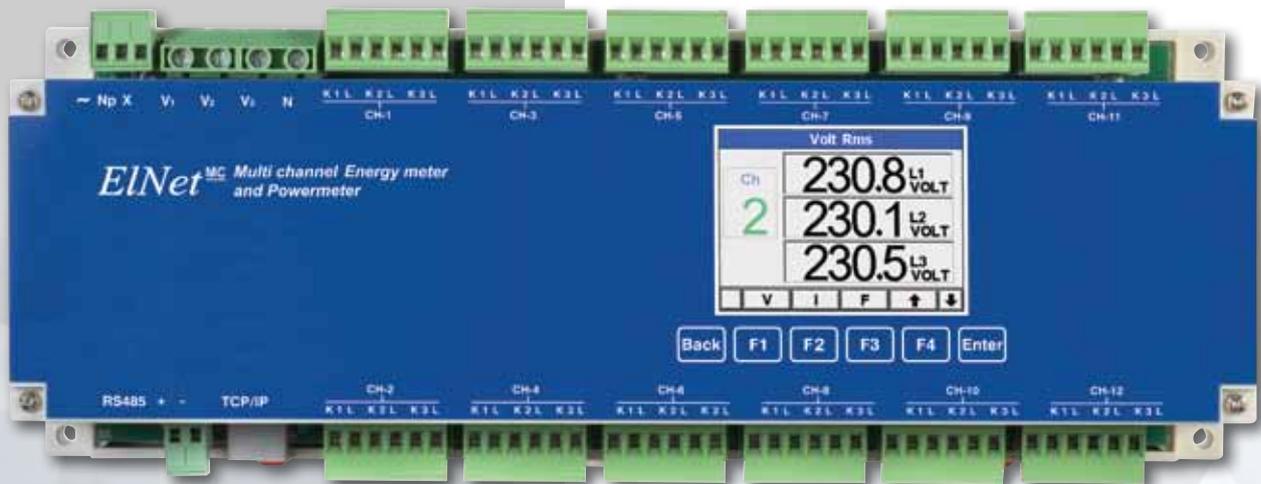
- Power Requirements : 90 - 250 VAC
- : 110 - 280 VDC
- : 60/50 Hz
- : 11VA
- Dimensions (H x W x D) : 110 x 300 x 60 mm
- Shipping Weight : 1,250 gr.
- Working Conditions : -20 – 70°C
- : 0 - 95 RH%

Measurement Range:

- Voltage : 0 - 550 VAC
- Voltage (with transformer) : up to 999999999 MV
- Current (with transformer) : up to 999999999 MA
- Maximum Input Voltage : 1000V
- Maximum Input Current : 6A
- Supported Current Sensors : 0.333 V / 1 Amp / 5 Amp / 63 Amp / 0.1 Amp

Standard Approvals:

IEC 62053-22, IEC 62053-23, IEC 62052-11, UL, CE, BTL



Date	W phase (kWh)	V phase (kWh)	N phase (kWh)
2012/01/01	0.000000	0.000000	0.000000
2012/01/02	0.000000	0.000000	0.000000
2012/01/03	0.000000	0.000000	0.000000
2012/01/04	0.000000	0.000000	0.000000
2012/01/05	0.000000	0.000000	0.000000
2012/01/06	0.000000	0.000000	0.000000
2012/01/07	0.000000	0.000000	0.000000
2012/01/08	0.000000	0.000000	0.000000
2012/01/09	0.000000	0.000000	0.000000
2012/01/10	0.000000	0.000000	0.000000
2012/01/11	0.000000	0.000000	0.000000
2012/01/12	0.000000	0.000000	0.000000
2012/01/13	0.000000	0.000000	0.000000
2012/01/14	0.000000	0.000000	0.000000
2012/01/15	0.000000	0.000000	0.000000
2012/01/16	0.000000	0.000000	0.000000
2012/01/17	0.000000	0.000000	0.000000
2012/01/18	0.000000	0.000000	0.000000
2012/01/19	0.000000	0.000000	0.000000
2012/01/20	0.000000	0.000000	0.000000
2012/01/21	0.000000	0.000000	0.000000
2012/01/22	0.000000	0.000000	0.000000
2012/01/23	0.000000	0.000000	0.000000
2012/01/24	0.000000	0.000000	0.000000
2012/01/25	0.000000	0.000000	0.000000
2012/01/26	0.000000	0.000000	0.000000
2012/01/27	0.000000	0.000000	0.000000
2012/01/28	0.000000	0.000000	0.000000
2012/01/29	0.000000	0.000000	0.000000
2012/01/30	0.000000	0.000000	0.000000
2012/01/31	0.000000	0.000000	0.000000

Date	Hour	Power (kW)	Energy (kWh)	Consumption (kWh)
2012/01/01	00:00	0.00	0.00	0.00
2012/01/01	01:00	0.00	0.00	0.00
2012/01/01	02:00	0.00	0.00	0.00
2012/01/01	03:00	0.00	0.00	0.00
2012/01/01	04:00	0.00	0.00	0.00
2012/01/01	05:00	0.00	0.00	0.00
2012/01/01	06:00	0.00	0.00	0.00
2012/01/01	07:00	0.00	0.00	0.00
2012/01/01	08:00	0.00	0.00	0.00
2012/01/01	09:00	0.00	0.00	0.00
2012/01/01	10:00	0.00	0.00	0.00
2012/01/01	11:00	0.00	0.00	0.00
2012/01/01	12:00	0.00	0.00	0.00
2012/01/01	13:00	0.00	0.00	0.00
2012/01/01	14:00	0.00	0.00	0.00
2012/01/01	15:00	0.00	0.00	0.00
2012/01/01	16:00	0.00	0.00	0.00
2012/01/01	17:00	0.00	0.00	0.00
2012/01/01	18:00	0.00	0.00	0.00
2012/01/01	19:00	0.00	0.00	0.00
2012/01/01	20:00	0.00	0.00	0.00
2012/01/01	21:00	0.00	0.00	0.00
2012/01/01	22:00	0.00	0.00	0.00
2012/01/01	23:00	0.00	0.00	0.00
2012/01/01	24:00	0.00	0.00	0.00

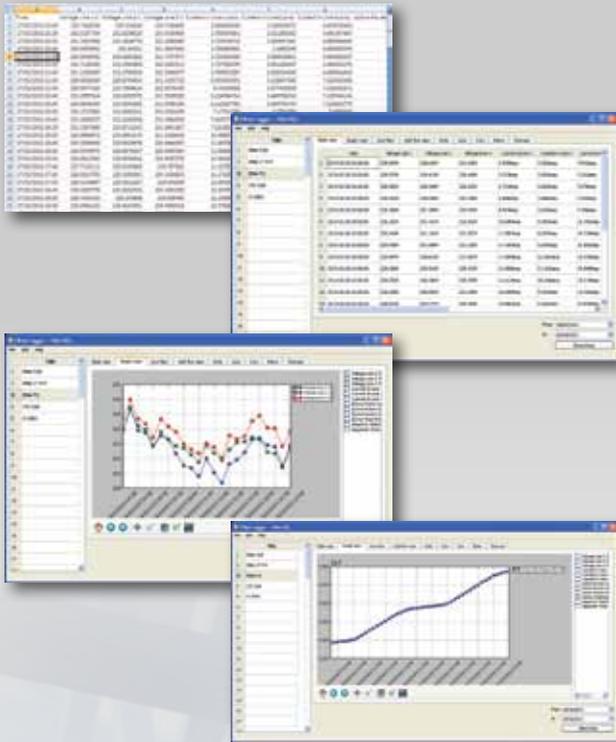
Date	Phase	Present	Previous	Consumption (kWh)	Price (USD)	Rate (USD/kWh)
2012/01/01	W phase	0.000000	0.000000	0.000000	0.000000	0.000000
2012/01/01	V phase	0.000000	0.000000	0.000000	0.000000	0.000000
2012/01/01	N phase	0.000000	0.000000	0.000000	0.000000	0.000000
2012/01/01	Total	0.000000	0.000000	0.000000	0.000000	0.000000

Date	Phase	Present	Previous	Consumption (kWh)	Price (USD)	Rate (USD/kWh)
2012/01/01	W phase	0.000000	0.000000	0.000000	0.000000	0.000000
2012/01/01	V phase	0.000000	0.000000	0.000000	0.000000	0.000000
2012/01/01	N phase	0.000000	0.000000	0.000000	0.000000	0.000000
2012/01/01	Total	0.000000	0.000000	0.000000	0.000000	0.000000



ELNet Logger Software

ELNet Logger is a user friendly software package that is especially designed for monitoring and data logging from electrical networks. ELNet Powermeters Data Logging. Graphic Display of Trends over time. Display of Real Time Measurements. User-friendly Interface.



ELNetWeb Billing Web Software

ELNetWeb Billing is a user friendly software package that is especially designed for logging electrical energy consumption from ELNet Powermeters and generating electrical bills. ELNetWeb Billing provides detailed energy reports on a daily, monthly and annual basis, as well as advanced T.O.U billing capabilities. Data can be exported to Excel data base.



ELNetWeb PQ Web Software

ELNetWeb PQ is a Web Server software package that is especially designed to enable monitoring and generating reports by using a standard web browser. Historical data reports. Logs: events, waveforms, faults. EN50160 reports for power quality. Historical Alarms report.

