

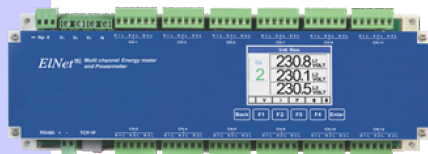
- ELNet power multimeter is a compact, multi functional, three-phase multimeter, especially designed to suit the needs of electrical network measurement.
- ELNet is capable of measuring voltage, current, frequency, active & reactive & apparent power, power factor, and more.
- ELNet power multimeter menu screens enable easy operation and multi lingual Interface.

ELNET PIC-5 Three phase Energy Multimeter



- Three phase Energy Powermeter
- Accuracy 0,2%
- 1,600 samples per cycle.
- Simple operated menus.
- up to 6 months of energy data logging.
- Build in T.O.U. Energy meter.
- Simple operated menus.
- RS-485 Communication Port.
- LCD Text display 2x12 characters.
- Simple installation - DIN Rail mounted.

ELNET MC 12 channels Energy meter



- Multi channels Energy meter.
- Up to 12 sets of three phase energy meters.
- Up to 36 single phase energy meters.
- Up to 36 Digital Inputs (alternate option)
- Up to 4 months of energy data logging.
- Electrical variables display.
- 1600 samples per cycle.
- Build in Powermeter.
- Simple operated menus.
- Accuracy 0.2-0.1 % with special calibration.
- Up to 4 months history of energy data logging.
- Ethernet (TCP/IP) and RS-485 ports.
- WEB browser capability.
- Advanced LCD Backlight display.
- Simple installation - DIN Rail mounted.

ELNET VIP multimeter



- Three phase Multimeter
- Voltage, Current, Frequency, power & power factor Measurements.
- Peak value display of all Measurements.
- Power demand for current and real power.
- Phase absence & disorder relay.
- Accuracy 0.5% in nominal range.
- LCD back light display.
- Simple installation - panel mounted.

ELNET LTE Energy Multimeter



- Three phase Multimeter
- Voltage, Current, Frequency, power & power factor Measurements.
- Energy measurement
- Peak value display of all measurements.
- Power demand for current and real power.
- Phase absence & disorder relay (option).
- Accuracy 0.5% in nominal range.
- LCD back light display.
- RS485 communication module for MODBUS.
- Simple installation - panel mounted.

ELNET LTC 16 Power factor controller



- Up to 16 switching stages relays.
- Real time Power factor display.
- Voltage, Current, Power Factor & Harmonics measurements.
- Weekly & monthly Power Factor display.
- Auto detection of capacitors size.
- Voltage & Current limits settings.
- Auto detection of capacity size.
- Harmonic's protection.
- Voltage & Current limits setting.
- Accuracy 0.2 %
- Accuracy 0.1 % with special calibration can be ordered.
- 1.600 samples per cycle.
- Up to 6 months of energy data logging.
- High resolution display (128x64).
- Multilingual simple operated menus.
- RS-485 Communication Port.
- Ethernet (TCP/IP) communication port (optional).
- Dimensions: 144x 144 x 100 mm.

ELNET PFC Energy & Power analyzer with Power factor controller



- Simple operated menus.
- Multilingual support.
- Accuracy 0.5% with special calibration.
- State of the art Graphic LCD
- High resolutions color display
- Displays of Waveform and Bar graph.
- Simple installation- Panel mounted.
- Build in Power factor controller.
- Switching up to 6 stages of capacitor banks.
- Auto detection capacitors size.
- Real time Power factor display.
- Weekly & monthly Power factor display.
- High THD limits setting.
- High/Low voltage limits setting.
- Low load limit setting.
- Dimension: 96x96 mm

ELNET LT multimeter in merilnik kvalitete energije



- Simple operated menus.
- Multilingual support.
- Up to One year of energy data logging.
- Displays up to 64th Harmonic in Waveform Graphic.
- 1600 samples per cycle.
- Accuracy 0.2 %.
- Build in T.O.U. Energy meter.
- RS485 Communication Port (MODBUS, Bacnet MS/TP).
- State of the art Graphic LCD
- Modern 320 x 240 LCD display.
- Displays of Waveform and Bar graph.
- Simple installation- Panel mounted.
- Dimension: 96x96 mm.
- Flash memory stores 6 months of energy.

LT TCP/IP

- Option: inbuilt TCP/IP communication port + WEB server BacNet TCP/IP

EINet GR Energy & Power analyzer



- Simple operated menus.
- Multilingual support.
- All Data daily logged - up to 2 years.
- Harmonics - up to 64th Harmonic.
- 1600 samples per cycle.
- Accuracy 0.2 %
- 0.1% special calibration can be ordered.
- Up to one-year Alarms log.
- Ethernet (TCP/IP) & RS232/485 ports
- Modern 320x234 LCD display.
- Waveform and Bar graph Displays.
- Simple installation - panel mounted.
- Programmable Relays.
- Build in WEB server - Web browser capability.
- BacNet TCP/IP, MODBUS, BacNet MS/TP

ELNET PQ (additional to GR-C)

- The main characteristics of the device are the same as for Elnet GR-C, with the difference that the instrument is capable to prepare reports of the quality of the electrical energy. The report meet the energy standard EN 50160.

Elnet WEB / Elnet WEB PQ

Elnet Billing is a user friendly software package that is especially designed for logging electrical energy consumption from Elnet Powermeters and generating electrical bills.

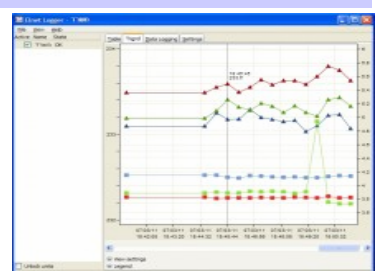
Elnet Billing provides detailed energy reports on a daily, monthly and annual basis, as well as advanced T.O.U. billing capabilities. Data can be exported to Excel data base.



CA Logger

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
- Freeware





ELNet Energy & Power Quality Powermeter



CHARACTERISTICS/ MODEL	VIP	ELNet LTE	ELNet PFC	ELNet PIC-5	ELNet LT	ELNet LTC 16	ELNet GR	ELNet PQ	ELNet MC
Three phase multimeter	•	•	•	•	•	•	•	•	12 x
Accuracy class	0.5 %	0.5 %	0.5 %	0.2 %	0.2 %	0.2 %	0.2 %	0.2 %	0.2%
Standard Approvals:	IEC 60051-3	IEC 60051-5	IEC 60051-5	IEC 62053-22 IEC 62053-23 IEC 62052-11	IEC 62053-22 IEC 62053-23 IEC 62052-11	IEC 60051-5	IEC 62053-22 IEC 62053-23 IEC 62052-11	IEC 62053-22 IEC 62053-23 IEC 62052-11	IEC 62053-22 IEC 62053-23 IEC 62052-11
1600 samples per period	•	•	•	•	•	•	•	•	•
Harmonics measurements - up to					64	32	64	64	
Power quality analyses				I-THD, U-THD	I-THD, U-THD	I-THD, U-THD	I-THD I-TDD U-THD, K-fac.	I-THD I-TDD U-THD, K-fac.	
Simple operated menus	•	•	•	•	•	•	•	•	•
Multilingual support	•	•	•	•	•	•	•	•	•
Data logging (in months)		•	6	6	6	6	24	24	4
Build in T.O.U. Energy meter			•	•	•	•	•	•	•
Storage of alarms up to one year							•	•	
Historical log for alarms (number of alarms that can be stored)							1000	1000	
Display of the stored data	Display line and phase values of U and I, currents in the neutral line, reactivity, P / F, active power P, reactive power Q	Display line and phase values of U and I, currents in the neutral line, reactivity, P / F, active power P, reactive power Q	Display line and phase values of U and I, currents at the neutral line, reactivity, P / F, active power P, reactive power Q	Display line and phase values of U and I, currents at the neutral line, frequency, P / F, active power P, reactive power Q	Display line and phase values of U and I, currents and the neutral line, reactivity P / F, active power P TDH voltage, TDH current, voltage harmonics, current harmonics	Display line and phase values of U and I, currents and the neutral line, reactivity P / F, active power P TDH voltage, TDH current, voltage harmonics, current harmonics	Display line and phase values of U and I, currents and the neutral line, reactivity P / F, active power P TDH voltage, TDH current, K factor, voltage harmonics, current harmonics,	Display line and phase values of U and I, currents and the neutral line, reactivity P / F, active power P TDH voltage, TDH current, K factor, voltage harmonics, current harmonics,	Display line and phase values of U and I, currents and the neutral line, reactivity P / F, active power P, reactive power Q
Peak values MAX/MIN values for current and voltage	•	•	•	•	•	•	•	•	•
Waveform display of the signal (oscilloscope function)			•		•		•	•	
Graphical display of the harmonics measurements					•		•	•	
RS485 Communication Port	LTE-A	•		•	•	•	•	•	•
MODBUS									
RS232 Communication Port									
MODBUS									
Ethernet (TCP/IP) MODBUS + WEB server					LT TCP/IP	LTC16 TCP	•	•	•
Bacnet TCP/IP protocol					LT TCP/IP	LTC16 TCP	•	•	•
BacNet MS/TP protocol		•		•	•	•	•	•	•
LCD textual/graphical display	•	•	•	•	•	•	•	•	•
LCD graphical color display		•			•		•	•	
The resolution of the display		320x240	320x240	2x12	320x240	128x64	320x240	320x240	320x240
Panel mounting	•	•	•		•	•	•	•	•
DIN Rail mounting				•					•
Programmable Relays			6		1	16	3	3	
Relay output	1	1							
Integrated Power Factor Controller (cos φ)			•			•			
Relay switching stages			6			16			
Auto detection of capacitors size			•			•			
Setup limits for high THD			•			•			
Weekly & monthly Power Factor display			•			•			
Setup limits for - Voltage & Current Low/High			•			•			
Setting the low load limit			•			•			
Fast trends					LT TCP/IP		•	•	
History log for MIN/MAX values							•	•	
EN50160 testing reports							•	•	
On events waveform recording							•	•	
Measurement of current with miniature current transformers up to 60A (separate order)				PIC-60					MC60 MC033
Power requirements	85 - 250V AC	85 - 250V AC	85 - 250V AC	85 - 250V AC	85 - 250V AC	85 - 250V AC	85 - 250V AC	85 - 250V AC	85 - 250V AC
Consumption	8 VA	8 VA	8 VA	8 VA	8 VA	8 VA	8 VA	8 VA	8 VA
Dimensions (HxWxD) [mm]	96x96x80	96x96x80	96x96x80	96x76x57	96x96x80	96x159x57	144x144x100	144x144x100	110x300x60
Shipping Weight	450 g	450 g	650 g	450 g	650 g	1.000 g	1.000 g	1.000 g	1.250 g
Voltage	0 - 650 V AC	0 - 650 V AC	0 - 650 V AC	0 - 650 V AC	0 - 650 V AC	0 - 650 V AC	0 - 650 V AC	0 - 650 V AC	0 - 650 V AC
Voltage (with transformer)	0 - 99999 kV	0 - 99999 kV	0 - 99999 kV	0 - 99999 kV	0 - 99999 kV	0 - 99999 kV	0 - 99999 kV	0 - 99999 kV	0 - 99999 kV
Current (with transformer)	0 - 99999 kA	0 - 99999 kA	0 - 99999 kA	0 - 99999 kA	0 - 99999 kA	0 - 99999 kA	0 - 99999 kA	0 - 99999 kA	0 - 99999 kA
Maximum Input Voltage	1000VAC	1000VAC	1000VAC	1000VAC	1000VAC	650 VAC	1000VAC	1000VAC	650 VAC
Maximum Input Current	6A	6A	6A	6A	6A	6A	6A	6A	6A
Working Conditions	-20 do +70°C	-20 do +70°C	-20 do +70°C	-20 do +70°C	-20 do +70°C	-20 do +70°C	-20 do +70°C	-20 do +70°C	-20 do +70°C