



ELNET Energy & Power Quality Powermeter



CHARACTERISTICS/ MODEL	VIP	ELNet LTE	ELNet PFC	ELNet PICO	ELNet LT	EINet LTC 16	ELNet GRC	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, frequency, P / F, active power P, reactive power Q	Display line and phase values of U and I, currents in the neutral line, frequency, P / F, active power P, reactive power Q	Display line and phase values of U and I, currents in the neutral line, frequency, P / F, active power P, reactive power Q	Display line and phase values of U and I, currents in 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, frequency 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, frequency 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, frequency 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, frequency 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, frequency 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 MODBUS	model VIP-P	•		•	•	•	•	•	•
RS232 Communication Port MODBUS							•	•	
Ethernet (TCP/IP) MODBUS + WEB server					LT TCP/IP		•	•	•
Bacnet TCP/IP protocol					LT TCP/IP		•	•	•
Bacnet MS/TP protocol					•		•	•	•
LCD textual/graphical display	•	•	•	•		•			•
LCD graphical color display					•		•	•	
The resolution of the display			128x64	2x12	320x240	128x64	320x240	320x240	4x40
Panel mounting	•	•	•	•	•	•	•	•	•
DIN Rail mounting				•					•
Programmable Relays			6		1	16	3	3	
Relay output	1	option							
Integrated Power Factor Controller (cos φ)			•			•			
Relay switching stages			6			16			
Auto detection of capacitors			•			•			
Setup limits for high THD.			•			•			
Weekly&monthly Power Factor display			•			•			
Setup limits for - Voltage & Current Low/High			•			•			
Setting the low load limit			•			•			
Fast trends							•	•	
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)				PICO-60					MC60
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

Specifications are subject to change without notice.