

ELNet LT es un medidor compacto, multifuncional y trifásico, especialmente diseñado para satisfacer las estrictas necesidades de medición de energía en cualquier instalación eléctrica.

ELNet LT incluye registro de datos históricos y soporta protocolos de comunicación estándar BACnet y Modbus con integración sencilla en sistemas de gestión de edificios a través de RS485 o Ethernet TCP. Una herramienta indispensable, que ayuda a un uso eficiente de la electricidad, mostrando el factor de potencia, demanda máxima y mínima, corriente en la línea neutro y armónicos hasta 64.

Technical Data

Power Requirements:	90 ~ 250 VAC 110 ~ 280 VDC 60/50 Hz 9VA
Dimensions (HxWxD):	96 x 96 x 80 mm
Shipping Weight:	0.65 Kg.
Environmental:	
Operation.	-20 ~ +70 °C
Storage.	-20 ~ +70 °C
Humidity	0 ~ 95 RH% non-condensing
Front Panel Protection	IP64
Memory size:	Flash memory dedicated for 6 months of daily energy and additional 1MB memory.

Communication

RS485 port:	Up to 115200 bauds Modbus and BACnet
Ethernet (TCP/IP):	Optional & Web browser capability

Input & Output Rating

Accuracy:	Active energy 0.2% Reactive energy 0.2%
Voltage: Line-Line	0 ~ 950 VAC RMS
Line-Neutral	0 ~ 550 VAC RMS
Maximum Burden	1000V RMS Continuous < 0.06VA
Current: Rated	0-1 A or 0-5 A
Overload	50 A RMS Continuous
Withstand	100 A for 1 minute
Burden	< 0.05 VA
Display:	High resolution color LCD display 320x240 pixels
Maximum Input Voltage:	1000V
Maximum Input Current:	6A
Digital inputs:	2, 230VAC (ON)
Digital \ pulse output:	1, dry contact maximum load 250mA

Valores de Medición y Visualización

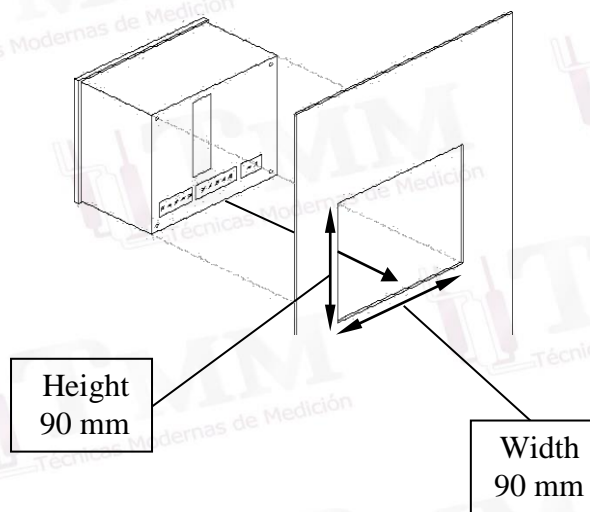
Parámetros de Medición	Display Range in direct connection (scaling factor 1)	Measuring in direct connection (scaling factor 1)	Visualización en Display
Current	0.001 – 6A	0.001 – 6A	0.001 – 99999KA
Neutral Current (calculated)	0.001 – 6A	0.001 – 6A	0.001 – 99999KA
Voltage L-N	0.000 – 550 V	0.000 – 550 V	0.001 – 99999KV
Voltage L-L	0.000 – 950 V	0.000 – 950 V	0.001 – 99999KV
Frequency (Hz)	45.001-65.001 Hz	45.001-65.001 Hz	45.001-65.001 Hz
Active power total\phase			0.000W – 99999MW
Reactive power total\phase			0.000VAR - 99999MVAR
Apparent power total\phase			0.000VA - 99999MVA
Power Factor (cap.\ind.)	-1.000 ÷ 1.000	-1.000 ÷ 1.000	-1.000 ÷ 1.000
Active Energy total\phase			0.001WH – 99999999MWH
Reactive Energy total\phase			0.001VARH - 99999999MVARH
Apparent Energy total\phase			0.001VAH - 99999999MVAH
Harmonic THD V\I			0.000 – 100%
Partial Harmonic V\I			0.000 – 100%
Operating hour meter			99999-HH:MM:SS

Standards

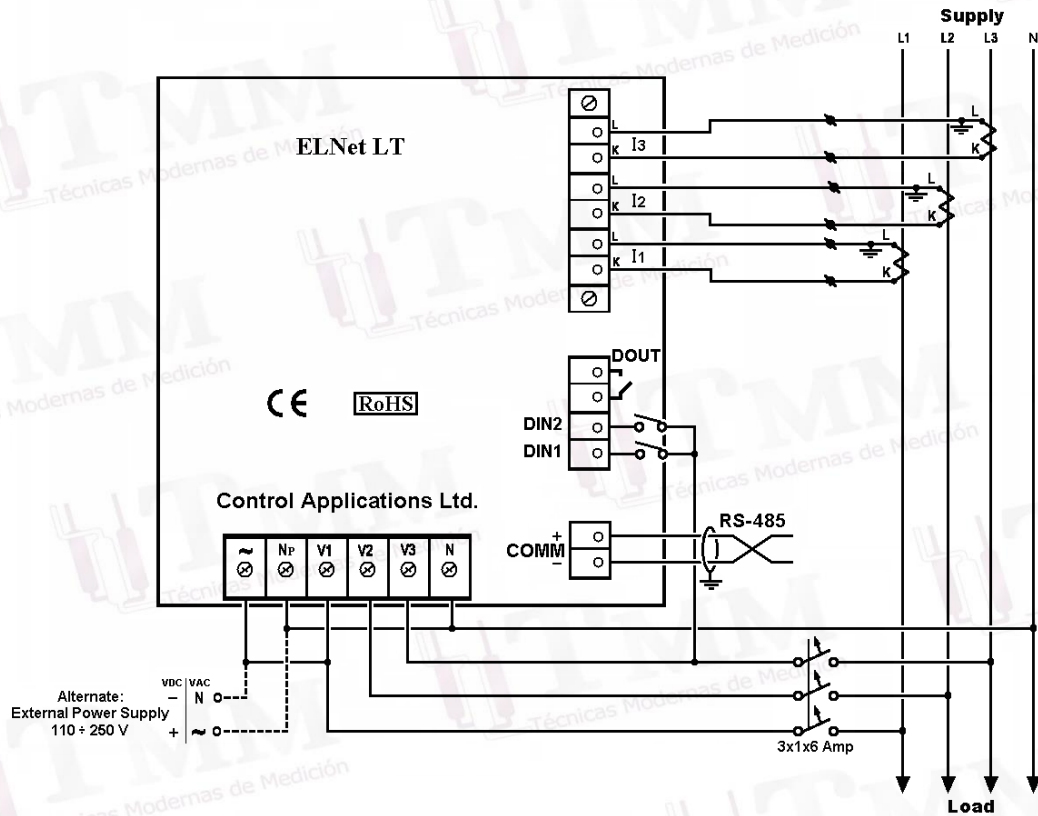
IEC 62053-22
 IEC 62053-23
 IEC 62052-11
 EN 55022, Class A, Amendments A1; A2
 EN 55024, Amendments A1; A2
 EN 61000-3-2, Class A
 EN 61000-3-3, Amendment A1
 IEC 61000-4-2
 IEC 61000-4-3
 IEC 61000-4-4
 IEC 61000-4-5
 IEC 61000-4-6
 IEC 61000-4-11

Accuracy (FS):

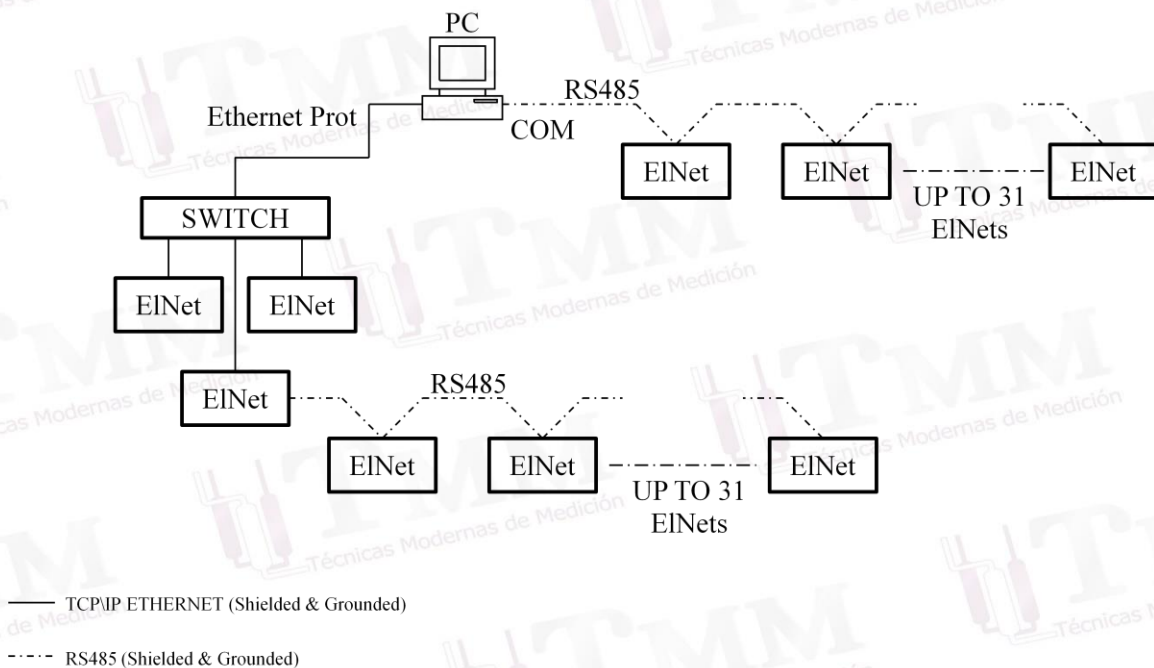
Voltage	±0.2 %
Current	± 0.2%
Energy	± 0.2%
Power	± 0.4 %
Frequency	± 0.05%
Power Factor	± 0.5%



Mechanical mounting



Wiring Diagram Example



Communication Diagram Example