



El medidor ELNet LTE es un medidor compacto, multifuncional y trifásico, especialmente diseñado para satisfacer las estrictas necesidades de medición de energía en cualquier instalación eléctrica para monitorear los parámetros de la red eléctrica.

ELNet LTE incluye registro de datos de historial y soporta protocolos estándar de comunicación Modbus con integración simple en sistemas de administración de edificios a través de RS485.

Una herramienta, ayuda al uso eficiente de la electricidad mostrando Factor de Potencia, Demanda Máxima y Mínima y THD.

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 ~ +80 °C |
| Humidity | 0 ~ 95 RH% non-condensing |
| Front Panel Protection | IP64 |

Communication

| | |
|-------------|-----------------------------------|
| RS485 port: | Up to 115200 bauds Modbus RTU. |
|-------------|-----------------------------------|

Input & Output Rating

| | |
|------------------------|---|
| Accuracy: | Active energy 0.2% FS Reactive energy 0.2% FS |
| Voltage: Line-Line | 0 ~ 098 VAC RMS |
| Line-Neutral | 0 ~ 551 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 output: | S0, Dry contact up to 150mA |

Valores de Medición y Visualización

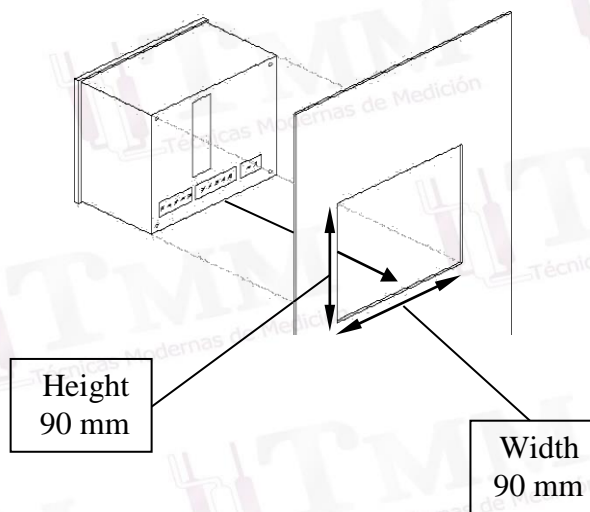
| Parámetros de Medición | Display Range in direct connection (scaling factor 1) | Measuring in direct connection (scaling factor 1) | Visualización en Display |
|------------------------------|---|---|--------------------------|
| Current | 0.001 – 6A | 0.001 – 6A | 0.001 – 99999KA |
| Neutral Current (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 – 9999999MWH |
| Reactive Energy total phase | | | 0.001VARH - 9999999MVARH |
| Apparent Energy total phase | | | 0.001VAH - 9999999MVAH |
| Harmonic THD V/I | | | 0.000 – 100% |
| Operating hour meter | | | 99999-HH:MM:SS |

Standards

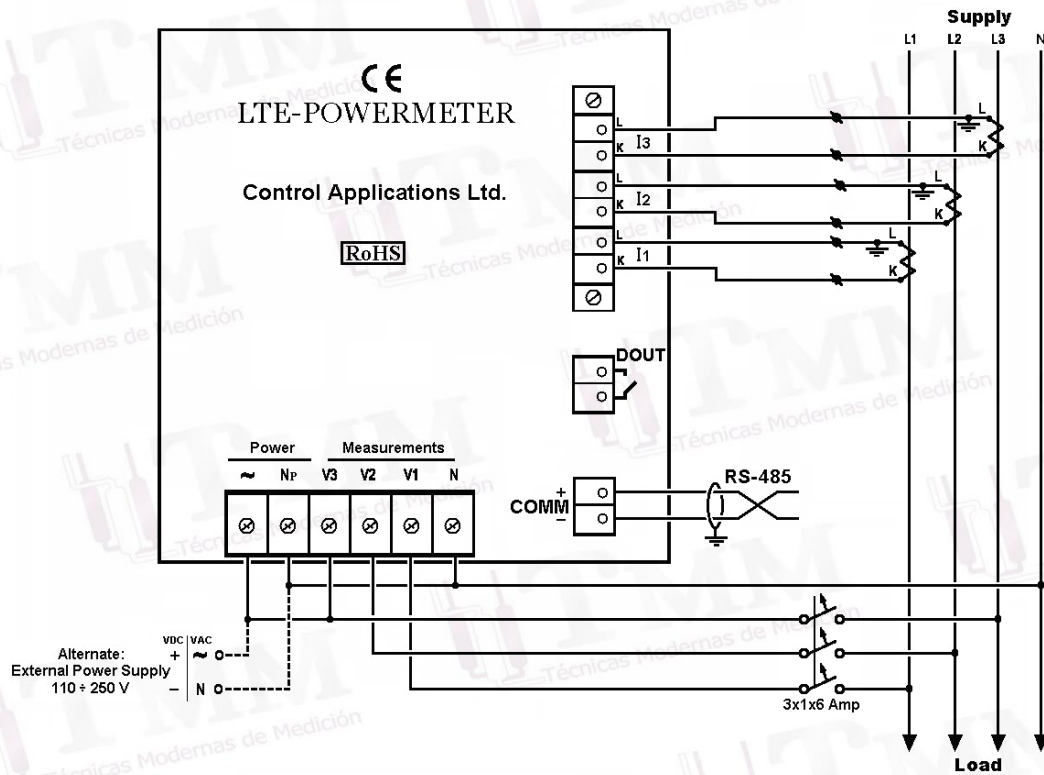
IEC 60051-03
 EN 55022, Class A, Amendments A1; A2
 EN 55024, Amendments A1; A2
 EN 61000-3-2, Class A
 EN 61000-3-3, Amendment A1
 IEC 61000-4-2
 IEC 61000-4-3
 IEC 61000-4-4
 IEC 61000-4-5
 IEC 61000-4-6
 IEC 61000-4-11

Accuracy (FS):

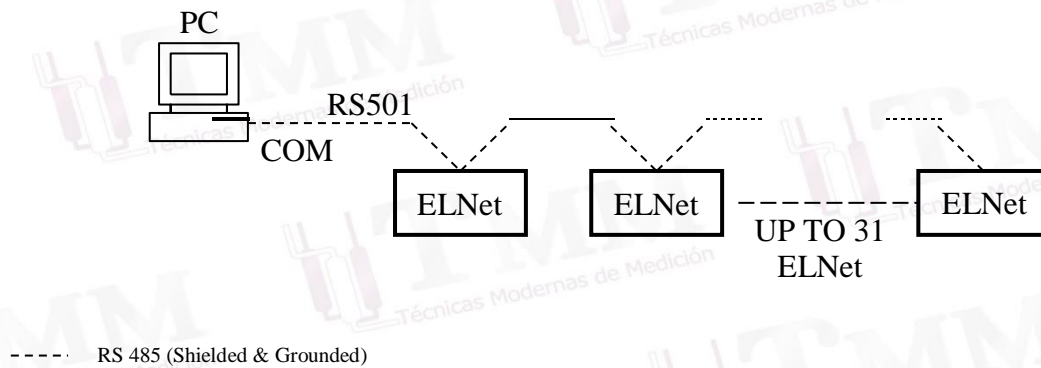
| | |
|--------------|---------|
| Voltage | ±0.2 % |
| Current | ± 0.2% |
| Energy | ± 0.2% |
| Power | ± 0.4 % |
| Frequency | ± 0.05% |
| Power Factor | ± 0.5% |



Mechanical mounting



Wiring Diagram Example



Communication Diagram Example