

Smart Energy

EnergyPOD

Mono/three phases Power Metering System

The energy probe is digital metering system that display and communicate major electrical parameters coming from power sources.

To suit user requirements the range includes single-phase, three-phase four-wire capabilities. Total compliance with IEC 61036 standard, class 1

Operation

The digital meters are available in a panel mounted enclosure with a display to show the electrical parameters including the true rms values, current, voltage, power factor, phase angle, active/reactive energy, and frequency values. The simple menu-driven interface offers the interface before settings, configuration of selected communication options and adjustment of operating parameters.



YOUR BENEFITS

- Compact design
- Easy installation
- Measurement accuracy
- Remote monitoring



FEATURES

- Class 1 accuracy in accordance with IEC 61036 standard
- Single phase & three phase
- Phase sequence detection
- Power presence detection
- SNMP Communication
- NMS connectivity (SNMP MIB)
- LCD, backlight control



TECHNICAL SPECIFICATIONS

MEASURED PARAMETERS

- System volts
- System current
- System active power
- Phase-neutral voltages (VL-N)
- Phase current
- Frequency
- Active power per phase
- Power factor (PF)
- Total active energy Wh
- Time and date

METER ACCURACY

- IEC 61036, class1

PHYSICAL

- DIN rail mounting 9 modules (EN 60715)
- Dimensions W 90.0; H 159.5; D 60.0 (mm)
- Enclosure material PPO (Grey RAL 7035)
- IP rated IP40 front panel, IP20 body (conforming to IEC 60529)
- Relative humidity 0 - 95 % (non-condensing)
- Operating temp. - 10 °C to + 55 °C

ACCURACY

- Voltage 0.5 % ± 1 digit
- Current 0.5 % ± 1 digit
- Frequency ± 0.1Hz
- Power factor ± 3 digit
- Active power (W) 1% ± 1 digit
- Active energy (Wh) Class 2

COMPLEMENTARY

- Nominal rated input 230 Vac (L-N)*, 50/60Hz
* Optional 50-500 Vac L-L (30-300V L-N)
- Power Burden < 2 VA
- System CT primary values 1-9999 A (secondary 5 A)
- Poles description 3P + N/ 1P + N
- RS485 Available for custom applications
- Auxiliary Power input 12 Vdc, 400 mA
- Analog Input n°3 0-10 Vdc
- Digital Input n°1 dry contact
- Relays Output n°2 N.O. 1A 30 Vdc

ORDERING CODES

- ENP-100 EnergyPOD Mono/three phases Power Metering System
- ENP-100-C EnergyPOD Mono/three phases Power Metering System with cabinet