

EnergyPRO Energy Analyser

Description

The EnergyPro represents leading edge technology in operator interfaces. Data can be viewed in real time on the front panel, or for more detail, PowerView software can be used to examine data collected by the EnergyPro.

The EnergyPro records RMS voltage, current, power (real and reactive), true power factor, energy, THD, harmonics and three phase unbalance.

The EnergyPro is a 6 channel data logger. It monitors 3 phases of voltage and current and calculates the neutral current.



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Specifications

GENERAL:

- Input Channels
 - 4 x Voltage via voltage leads
 - 3 x current via flex type CTs
- Ranges
 - 1 x Voltage range: 0-600 VAC 45-65 Hz
 - 3 Current ranges: 2-20A, 20-200A, 200-2000A Fully auto-ranging
- Dimensions
 - Unit: L=232mm H=110mm W=192mm (Excluding CTs)
 - Flex CT diameter: 150mm
 - Flex CT length: 450 mm
 - Flex CT cable length: 1.8m
- Protection level: IP55 (lid closed) Excludes power cable connection
- Case: Peli ABS

SERVICE CONDITIONS:

- Operating Temperature: -20 to 60°C
- Humidity; Max 80% relative non-condensing

POWER SUPPLY:

- Integral from measurement voltage
- Internal battery back-up (30 hours)

MEASUREMENT:

- Technique: Digital Sampling
- Sample rate: 32 Samples/Cycle (45-65 Hz)

MEASUREMENT PARAMETERS:

- Min/Max/Avg trend for Voltage, Current, Power, Power Factor, THD, Frequency, Energy
- Waveform Capture and Harmonic Trend to 15th Harmonic on V&I.

STORAGE:

- Removable Card 1GB Flash – 65000 Records.
- Programmable Storage Rate.
- Survey length at 1 minute storage: 420 days

ACCURACY:

- Voltage: 0.5% of scale
- Current: 0.5% of scale

STANDARDS:

- Electrical Safety:
- Unit: IEC1010 600V CAT III
- Flex CTs: IEC1010 1000V Cat III

Storage rate	Maximum Survey duration
1 Second	7 Days
5 Seconds	35 Days
10 Seconds	70 Days
15 Seconds	105 Days
30 Seconds	210 Days
1 Minute	420 Days
5 Minutes	999 Days
10 Minutes	999 Days
15 Minutes	999 Days