PQPRO Energy Analyser

Description

The **PQPro™** is the third generation of power quality analyzers developed by Elcomponent for the measurement of power quality and for power system diagnostics.

From the instrument's front panel or, for more detail use Elcomponent's **PV II™** software, you can view:

- AC and DC Voltage, Current, Power and Frequency
- Waveforms, harmonics and vector diagrams for both voltage and current
- Three phase voltage and current unbalance
- Voltage sags and swells
- High speed voltage transients
- Current inrush
- Flicker (IEC 61000-4-15)
- Power Quality (IEC 61000-4-30 Class A)

The **PQPro™** is an 8 channel power quality analyzer / data recorder. It monitors three phases of voltage and current as well as a fourth channel of voltage and current. Measured parameters are updated every ½ cycle to ensure that nothing is missed. up to 4 hours in the event of a power outage. The entire unit is enclosed in a rugged weather proof case for use in harsh environments.

Most measurements can be viewed on the front panel LCD in the field and recorded data can be transferred to a computer using the removable memory card. The instrument is powered from the V1 voltage measurement input, or if V1 is a weak source, an auxiliary power supply may be used.

The **PQPro™** has an internal rechargeable battery that can power the instrument for up to 4 hours in the event of a power outage. The entire unit is enclosed in a rugged weather proof case for use in harsh environments.

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Specifications

- High speed voltage transient capture: 16 microseconds (60 Hertz systems) or 20 microseconds (50 Hertz systems) – waveforms with 1024 samples/cycle resolution.

- Voltage sag/swell capture – waveforms with 256 samples/cycle resolution and RMS with ½ cycle resolution.

- Current Inrush capture - waveforms with 256 samples/cycle resolution and RMS with ½ cycle resolution.

- Voltage and Current three phase unbalance.

- Voltage and Current THD.

- Voltage Flicker – IEEE 61000-4-15 PST and PLT.

- Harmonics up to the 128th.

- Interharmonics with 5 Hertz resolution up to 7680 Hertz (60 Hertz systems) or 6400 Hertz (50 Hertz systems).

- Continuous storage mode – records all 8 channels, waveforms with 256 samples/cycle every cycle and RMS data with 200 millisecond resolution for up to 28 minutes (60 Hertz systems) or 33 minutes (50 Hertz systems). With Continuous data software can calculate Interharmonics with 0.5 Hertz resolution or finer.

- Linear and Circular (wrap around) data storage modes for both Trend and Event data.

- AC and DC voltage and current capability on all channels. Maximum voltage 750 Vac/1000 Vdc.

- Graphs can be pasted in to Word or Excel files.

- Export data in CSV format.

- Export data in PQDIF format.

- Export section of data file to PV II format.

- Generate reports with both graphical and tabular data.