

ELCOMPONENT

EnergyPro Power & Energy Analyser

Product Overview

The Elcomponent EnergyPro Power Analyser is a cutting-edge and highly versatile device designed to provide accurate and comprehensive measurements of electrical power parameters. With its advanced features and intuitive interface, it serves as an invaluable tool for energy auditing, power quality analysis, and equipment troubleshooting across various industrial and commercial applications.



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.

Key Features

- **Precise Power Measurement:** The Elcomponent EnergyPro Power Analyser employs high-precision measurement techniques to accurately quantify key electrical parameters, including voltage, current, power factor, frequency, active and reactive power, and energy consumption. It ensures reliable and consistent measurements for in-depth power analysis.
- **Wide Measurement Range:** The device is capable of handling a wide range of electrical parameters, making it suitable for both low and high voltage systems. It can measure voltages up to 1000V and currents up to 6000A, enabling it to cater to diverse power monitoring requirements.
- **Real-time Data Logging:** The EnergyPro Power Analyser features extensive data logging capabilities, allowing users to capture and record power data over extended periods. It



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provides real-time monitoring and analysis of electrical parameters, enabling users to identify trends, irregularities, and potential issues within the power system.

- **Comprehensive Power Analysis:** Equipped with advanced algorithms and built-in analytical functions, the Elcomponent EnergyPro Power Analyser enables detailed power analysis. It provides insights into harmonics, voltage and current waveforms, and total harmonic distortion (THD).

Specifications

<p>GENERAL:</p> <ul style="list-style-type: none">• Input Channels• 4 x Voltage via voltage leads• 3 x current via flex type CTs <p>Ranges</p> <ul style="list-style-type: none">• 1 x Voltage range: 0-600 VAC 45-65 Hz• 3 Current ranges: 2-20A, 20-200A, 200-2000A Fully auto-ranging <p>Dimensions</p> <ul style="list-style-type: none">• Unit: L=232mm H=110mm W=192mm (Excluding CTs)• Flex CT diameter: 150mm• Flex CT length: 450 mm• Flex CT cable length: 1.8m <p>Protection</p> <ul style="list-style-type: none">• level:IP55 (lid closed) Excludes power cable connection• Case: Peli ABS <p>SERVICE CONDITIONS:</p> <ul style="list-style-type: none">• Operating Temperature: -20 to 60oC• Humidity; Max 80% relative non-condensing <p>POWER SUPPLY:</p> <ul style="list-style-type: none">• Integral from measurement voltage• Internal battery back-up (30 hours)	<p>MEASUREMENT:</p> <ul style="list-style-type: none">• Technique: Digital Sampling• Sample rate: 32 Samples/Cycle (45-65 Hz) <p>MEASUREMENT PARAMETERS:</p> <ul style="list-style-type: none">• Min/Max/Avg trend for Voltage, Current, Power, Power Factor, THD, Frequency, Energy• Waveform Capture and Harmonic Trend to 15th Harmonic on V&I. <p>STORAGE:</p> <ul style="list-style-type: none">• Removable Card 1GB Flash – 65000 Records.• Programmable Storage Rate.• Survey length at 1 minute storage: 420 days <p>ACCURACY:</p> <ul style="list-style-type: none">• Voltage: 0.5% of scale• Current: 0.5% of scale <p>STANDARDS:</p> <ul style="list-style-type: none">• Electrical Safety:• Unit: IEC1010 600V CAT III• Flex CTs: IEC1010 1000V Cat III
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