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Press release

High power, low price: Power analyser with residual current monitoring (RCM)

The UMG 509 from Janitza is the most economical power analyser in the portfolio, which even offers residual current monitoring.

The power analyser UMG 509 for front panel installation is equipped with a large colour graphic display with intuitive user guidance. Its comprehensive measurement functions (e.g. short term interruptions, start-up currents, transients, harmonics up to the 63rd harmonic) are rarely seen in this price class - particularly not in combination with residual current monitoring. With this the user can detect fault sources in a timely manner, e.g. before an insulation fault leads to a system failure.

Comprehensive communication options such as RS485 (Modbus RTU, Profibus), Ethernet TCP/IP, BACnet (optional), HTTP, FTP, SNMP, SMTP, Sntp or DNS enable cost-efficient and rapid integration in existing communication architectures.

Measurement takes place via 4 separate current inputs, be it for additional measurement in the N or PE, or for the measurement of 4 single-phase consumers. The UMG 509 is equipped with a separate consumption meter per current input. The large measurement storage capacity of 256 MByte enables the logging of all measured values over a period of months, also without interim read-outs.

The high resolution graphic display provides online graphs, FFT with harmonics displayed in bar charts, clear presentation of the monthly kWh values, alarm management / event display with date and time stamps and many other functions.

The device-specific homepage for the measuring devices is ideal for users or target groups within a company, who do not wish to install the GridVis[®] software or do not require it. For access to this, the user simply requires a conventional web browser and an Ethernet connection (or a local patch cable).

The UMG 509 utilises the BACnet protocol for use in building communication.

Janitza electronics GmbH

Janitza a German enterprise was founded in 1961 and is since almost 50 years active in the field of development and production of systems for efficient usage of electricity, energy measurement and cost reduction.

Janitza electronics GmbH is nowadays globally well known as supplier of smart energy management systems (ISO 50001), energy measurement devices, class-A-power quality monitoring systems, power analyzers, power factor controllers, and power quality solutions, such as PFC-systems and harmonic filters.

Our UMGs, GridVis® software and components unite 3 solutions – energy management, power quality monitoring and residual current monitoring (RCM) – within a common system environment.

Our customers appreciate the consistent range of products and solutions for a modern energy management (e.g ISO 50001).

Due to the scalability of products and solutions energy management systems of Janitza can also be introduced gradually.

Janitza stands for highest quality standards, high innovation rate and products with latest features produced with the most modern production technology.

The regional expertise of our engineers offers from consulting and concept design through to commissioning bespoke solutions.

After commissioning, we assist in the maintenance and support systems. The regularly scheduled training sessions give our customers the safe handling of the subject areas of energy management and power quality, but also with Janitza products and system solutions.

www.janitza.com

Image captions

Image 1: UMG 509 - multifunctional power analyser with RCM

Image 2: Illustration of the historic data via the integrated device homepage

((Image source)) Janitza electronics GmbH

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