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Press report

## **A Class A Power Quality Monitoring device for all areas of application**

*The new flagship in the portfolio of Janitza electronics GmbH*

The UMG 512 power quality analyser masters all the disciplines of its field, e.g., continuous monitoring of power quality, harmonics analysis in the event of network problems, inspection of the internal supply network as per EN 61000-4-7, EN 6100-4-15, EN 61000-4-30, etc.

One feature that separates it from other devices is, for instance, class A certification as per IEC61000-4-30. This makes it a reliable reference – even in a dispute – for the documentation of power quality for customers and inspection authorities or for the analysis of faults when problems occur in the energy supply.

The UMG 512 is designed to record the large quantities of data that occur at its high sampling rate of 25,600 Hz or during a continuous true RMS measurement. To ensure that the quantity of measured values is retained even if the data network fails, the unit is equipped with a large on-board measurement data memory with a capacity of 256 MB. Thanks to the large memory, even PLC functions (Jasic<sup>®</sup>, graphic programming) such as alarm management can be implemented.

In addition to the two digital inputs and outputs, there is an input for temperature measurement and two additional RCM channels.

The large, colour graphic display is intuitive to operate and provides easy access to the many functions and measuring points. The display can present measured values and results not only in numerical format but also as bar charts and line graphs. Current and voltage can be displayed in waveform. In addition, the GridVis<sup>®</sup>-Basic software package included in the scope of supply also simplifies evaluation and documentation. The device homepage provides extensive information even without the installation of additional software.

The communication architecture also leaves no wish unfulfilled. Thanks to diverse IP protocols (TCP/IP, Modbus over TCP/IP, SNMP, NTP DHCP, etc.), remote monitoring of critical processes, for instance, can be realized cost-effectively. As a Modbus gateway, the UMG 512 can economically connect slave measurement devices without an Ethernet interface.

The UMG 512 is also ideally suited for building or real estate operations via the standardized, globally acknowledged BACnet protocol.

**Janitza electronics GmbH**

Janitza electronics GmbH is a German company and has been active for 50 years in the manufacturing of systems for efficient power application, energy measurement and cost savings. As a globally renowned manufacturer of network monitoring and energy management systems, digital integrated measurement devices, power factor controllers and compensation systems, the company stands for the highest quality standards and innovations. Products are manufactured according to leading-edge expertise with state-of-the-art production technology. At Janitza, quality management is an ongoing managerial task (e.g. ISO 50001). Comprehensive know-how, competent consultancy and concept generation, right through to the commissioning of tailored solutions, ensure fulfilment of customer wishes and requirements.

[www.janitza.com](http://www.janitza.com)

## **Image captions**

Image 1: The UMG 512 power quality analyser guarantees continuous information exchange and can even be used for complex projects such as industrial operations, hospitals, universities, airports, etc. at any time.

Image 2: The UMG 512 performs power quality measurements in top quality thanks to its special functions.

((Image source)) Janitza electronics GmbH

**Press contact:**

**Janitza electronics GmbH**

Ms Stefanie Hollingshaus  
Marketing  
Vor dem Polstueck 1 – 35633 Lahnau – Germany  
Phone: +49-6441-9642-539  
Fax: +49-6441-9642-30  
Email: [stefanie.hollingshaus@janitza.de](mailto:stefanie.hollingshaus@janitza.de)  
Web: [www.janitza.com](http://www.janitza.com)

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