The new compact energy measurement device for DIN rail mounting

PQ PLUS GmbH

The new UMD 703 universal measurement device

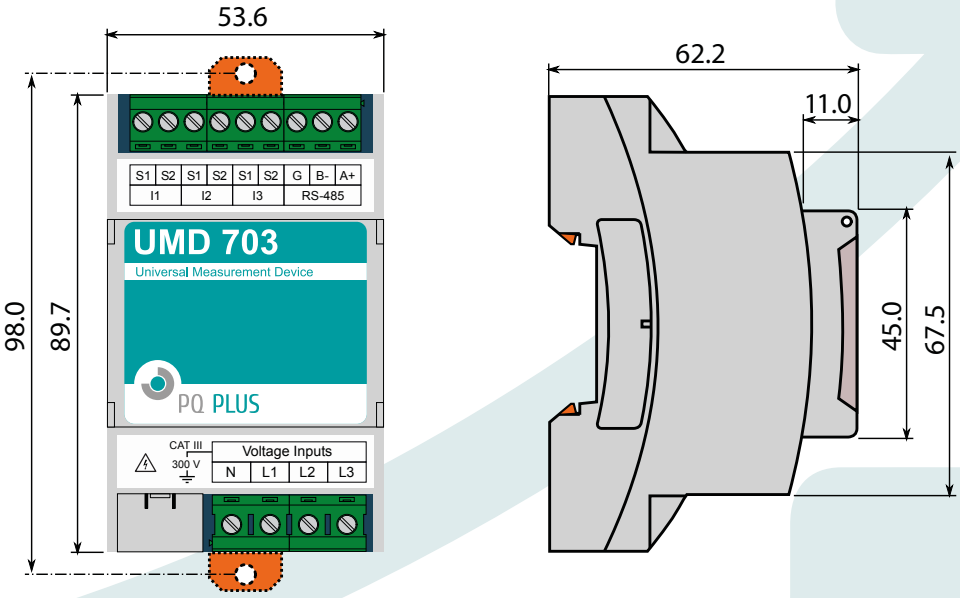
Space-saving recording of energy and consumption data and provision of results to higher-level systems

The UMD 703S is a cost-effective yet powerful energy measurement device that can measure important aspects of power quality such as harmonics at the same time.

The device is equipped with a serial RS485 interface that allows it to communicate with common Modbus systems. The current is measured in 3 phases via small signal converters (333 mV secondary signal) that make short-circuiting via transformer isolating terminals in open operation superfluous. This not only saves you space and costs, but also increases safety in your system due to the extra-low voltage signal.

The UMD 703 is designed for basic energy monitoring and for measuring live, average, minimum, and maximum values of electrical variables. The design for the DIN rail without display is ideal for a wide range of remote automation tasks in modern buildings, for monitoring infrastructure, and for load and demand management. The lack of local operating elements (display and keypad) limits the ability to gain access without authorisation.
It is an ideal and cost-effective universal measurement device for all modern SCADA systems.

Technical details



UMD 703S

- 3-wire measurement of current and voltage in 4-quadrant mode
- Current inputs for small signal converter x / 333 mV
- Voltage measurement possible directly or via voltage transformer
- No separate supply voltage required
- Harmonics up to the 50th harmonic
- Accuracy class current 0.2 and voltage 0.1
- Extreme-value memory
- 6.4 kHz sampling rate
- RS485 interface with Modbus RTU protocol
- Internal real-time clock RTC
- Operating temperature -25 ... 70 °C
- Only 3 TE wide

NEW

Request our new catalogue or browse its online version on our website.

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