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Mimic In-House Article
Subject: The PQM Power Meter Range
Date: 8th January 2026

The PQM Power Meter Range

The growing need for measurement clarity in electrical systems has made data-rich Power Meters increasingly valuable. The PQM-16+M1 demonstrates how integrated data logging and RS-485 communication elevates power-quality analytics. With the ability to record 30 days of data for 43 parameters at 30-minute intervals, this meter generates a continuous operational record that helps users to identify trends, diagnose disturbances, and validate energy-saving initiatives without relying on external recorders. RS-485 with Modbus-RTU communication strengthens its role in connected environments by enabling seamless integration with SCADA, EMS, and IIoT platforms. This transforms the meter from a simple display instrument into a networked diagnostic device capable of delivering real-time visibility across industrial and commercial installations, while optional pulse outputs expand compatibility with legacy systems thus extending the meter's functionality and including conventional metering setups.

Both the PQM-16 and the PQM-16+M1 share advanced power-quality features such as harmonic analysis up to the 32nd order, THD measurement, demand display, and extensive energy categories covering import, export, net, lag, lead, and total values. Despite these similarities, the PQM-16 remains a practical choice for applications where simplicity, ease of use, and cost efficiency matter more than connectivity. With no data logging or communication ports, it offers Class 0.5 accuracy, a clear 4-row backlit LCD, and a compact 96×96 mm design that fits seamlessly into control and relay panels, DG set panels, LT/HT panels, and various power control centres. In applications such as local panel monitoring, basic load verification, motor control centre supervision, or where operators only require real-time readings, a simpler meter avoids unnecessary expense while still providing essential visibility. This cost advantage makes the PQM-16 ideal for OEMs or facilities deploying multiple meters where advanced analytics are not required.

Call us for your Power Metering requirements.

JHB Branch
Mimic Components, Address: 5 Ramsay Street, Booysens, 2091, Johannesburg. Switchboard: +27(0)11-689-5700 | WhatsApp: 071-979-9999
PO Box 38493, Booysens, 2016, Johannesburg, South Africa. Email: info1@mimiccomponents.co.za | Website: www.mimiccomponents.co.za

Cape Branch
Mimic Cape. Address: Unit 41A, Stella Park, 57 Stella Road, Montague Gardens, 7441, Cape Town. Switchboard: +27(0)21-551-8185
WhatsApp: 071-979-9999. Po Box 36955, Chempet, 7442, Cape Town, South Africa. Email: info@mimic-cape.co.za | Website: www.mimic-cape.co.za