MTMPlus to PQM II Replacement

Replace the MTMPlus Meter with the PQM II Power Quality Meter

Similar Features with Newer, More Advanced Hardware, and Feature Set

KEY BENEFITS

Replace your current MTMPlus Meters to PQM II Power Quality Meter for the following benefits:

- Advances in Digital Technology both hardware and firmware allow the implementation of newer features into a newer, more sophisticated and more compact product
- Future upgrades easily added achieved through firmware upgrades
- Have more options for communication protocols, to facilitate product integration for remote data acquisition
- Additional options available through firmware upgrades

FEATURES

Take advantage of the following additional values you obtain by upgrading to the Power Quality Meter:

- More compact form factor
- Unique and advanced metering features - Power Quality Metering, Analog Outputs, Harmonic Analysis, total harmonic distortion (THD) calculations
- Sag and Swell and Disturbance Report
- Complete system monitoring - optional full metering including demand & energy, auxiliary equipment monitoring through analog inputs
- Improve uptime of auxiliary equipment - through I/O monitoring
- Reduce troubleshooting time and maintenance costs - Event reports, waveform capture, data logger
- Simplify testing - Built in simulation features
- Cost Effective Access information - Through standard RS232 & RS485 serial ports
- Flash memory for product field upgrade
- Installation flexibility - Remote display option

MTMPlus vs. PQM II - Feature Comparison

Description	MTMPlus	PQMII
Real - Time Readings		
Current - RMS - 3 Phase		•
Current - RMS - Per Phase	•	•
Current - Phasors		•
Current - Ground		•
Current - Neutral	•	•
Voltage - RMS - L-L	•	•
Voltage - RMS - L-N	•	•
Voltage - RMS - 3 Phase		•
Voltage - Phasor		•
Frequency	•	•
Power Factor - Per Phase		•
Power Factor - 3 Phase	•	•
Real Power - Single Phase		•
Real Power - 3 Phase	•	•
Reactive Power - Single Phase		•
Reactive Power - 3 Phase	•	•
Apparent Power - Single Phase		•
Apparent Power - 3 Phase	•	•
Demand Readings		
Demand Current - Per Phase	•	•
Peak Demand Current - 3 Phase Avg.	•	
Demand Real Power - 3 Phase	•	•
Demand Real Power - Peak	•	•
Demand Reactive Power - 3 Phase	•	•
Demand Reactive Power - Peak	•	•
Demand Apparent Power - 3 Phase	•	•
Demand Apparent Power - Peak	•	•
Energy Readings		
Accumulated Energy - Real	•	•
Accumulated Energy - Reactive	•	•
Accumulated Energy - Apparent	•	•
Bidirectional Readings	•	•
Incremental Energy		•
Energy Cost - Accumulated		•
Energy Cost - Per Day		•
Programmable Energy Tariffs		•
Power Analysis Values		
Crest Factor (per phase)		•
THD Factor - Current Per Phase	•	•
Fundamental Voltage - per Phase	•	•
Fundamental Current - per Phase	•	•
Fundamental Real Power - per Phase		•
Fundamental Reactive Power - per Phase		•
Unbalance Current	•	•
Min./Max. Current per Phase - Date/Time Stamped		•
Unbalance Voltage	•	•
Min./Max. Voltage L-N - Date/Time Stamped		•
Min./Max. Voltage L-L - Date/Time Stamped		•
Min./Max. Real Pwr. 3 - Phase - Date/Time Stamped		•
Min./Max. Pwr Fac. 3 - Phase - Date/Time Stamped		•
Min./Max. Real Pwr. 1 - Phase - Date/Time Stamped		•
Min./Max. Pwr Fac. 1 - Phase - Date/Time Stamped		•
Min./Max. Frequency - Date/Time Stamped		•

Description	MTMPlus	PQMII
Phase Rotation	•	•
Sequence Components		•
Power Quality		
Current THD	•	•
Voltage THD	•	•
Sag & Swell		•
Voltage Disturbance Recorder		•
Number of Sag & Swell Events		500
Min./Max. THD Voltage - L-N - Date/Time Stamped		•
Min./Max. THD Voltage - L-L - Date/Time Stamped		•
Min./Max. THD Current - Phase - Date/Time Stamped		•
Metering Sampling Rate	16	64
Oscillography - Cycles	N/a	36
Oscillography - Sampling Rate		16
Harmonic Resolution		32
Inputs/Outputs		
User Programmable Digital Inputs	2	4
User Programmable Digital Outputs		3
Fix Outputs	1	1
Pulse Inputs	1	4
Alarming		
Setpoint Driven Alarms	•	•
Custom Alarms with Priority Levels		•
High Speed (100 ms)		•
Multiple Level Alarming		•
Disturbance (1/2) Cycle		•
Other Features		
Downloadable Firmware		•
Setpoint-controlled alarm & data logging		•
Analog Inputs		4
Analog Outputs	4	4
Event Recorder - Number of Events		150
Time Stamp Resolution (ms)		1
Min./Max. Average Log		•
Power Analysis Oscillography - Cycles		1
Oscillography - Sampling Rate		256
Data Logger		•
Display	•	•
Key Pad	•	•
Memory - Standard	1	2
Specifications		
Voltage Input - Nominal Full Scale (Vac)	240	600
Control Voltage Range DC		300
Control Voltage Range AC	140	265
Current Inputs Range	10	15
Communications		
Interface Program	•	•
RS232 Port		•
RS485 Port	•	•
Time Synchronization - Comms. Clock Synch.		•
ModBus Protocol	•	•
ModBus User Map		•
DNP3 Protocol		•