

PM1000 Specifications

Features:	
Input Voltage:	2 channels, 0-270 Vac, Live to Neutral and Neutral to Earth
Input Current:	1 channel, ranges 0-1000 A RMS and 0-50 A RMS. Sensing using a flexible Rogowski Coil. Also works with standard CT's. Channels: 16
Accuracy:	Volts and wide range current < 0.25% True RMS +/-2 LSB's excluding sensors. Narrow range current < 1% True RMS excluding sensors
Resolution:	Programmable to 0.1 Vac and 0.1 Aac or 0.01V and 0.01A high resolution mode
Maths Channels:	AC 1 Phase: RMS, Stray Voltage RMS Hi Res < 35V, Real power W, Reactive Power VARS (fund), Apparent Power VA, Power Factor PF, Phase Angle, Frequency, Instantaneous Flicker Sensation, Short Term and Long Term Perceptibility, Flicker Flag. Harmonics: Total Harmonic Value, % Total Harmonic Distortion. Other Maths Option: Channel X * Constant, Channel X / Channel Y, Filtered Channel X, Internal Temperature, On Charge, Battery Volts.
Sampling:	Continuous sampling at 64 samples per cycle
Recording:	Single cycle True RMS response time; 16 bit simultaneously sampling all signals
Recording Mode and Rate:	Adaptive Store: Unique storage management enables extended recording and single cycle resolution on significant signal changes Point Store: Selectable from single cycle rate to once every 12 hours
Memory:	3 options available: 8MB, 16MB and 32MB RAM
Data Retention:	Recorded data stored in Flash Memory
Power:	Runs and charges via an input to 'Voltage Input Channel 1' of 100-270 Vac
Battery:	4 AAA NiMH batteries and 1 Lithium button cell
Battery ride through:	10 minutes at a time. Operation from fully charged battery with no ac mains power present > 5 hrs at 25°C
Safety & Standards:	IEC 61010 (300V Cat III, Pollution level 2), CE, IEC 61326 (EMC), IEC 61000-4-15
Internal Fusing:	PSU, Battery stack, fused voltage leads
Communications:	User Interface: 3 status LEDs (Power on, Voltage in spec, Recording /Memory) Serial Port: USB-C serial port, (up to 115.2K baud); isolation >2.5 kV Bluetooth: Wireless interface (isolated) reception up to 10m PMGateway App.: Enables Android mobile phone to act as a Gateway. Send data files to your inbox, start and stop recordings
Protocol:	MODBUS ASCII
Computer Requirements for Pronto Software:	Windows 2000, XP, Vista, 7, 8, 10; 250MB hard drive space
Case:	Multipurpose handheld enclosure with 4 soft grip corners
Dimensions:	207 mm x 120 mm x 36 mm
Weight:	800 gm
Operating Temp:	-10°C (14°F) to 60°C (140°F)