

Multi-Functional Power Meter



OVERVIEW

Accurate three phase power measurement using state of the art energy measurement chips. Voltages and current measured using in-built transducers. Power measurement chip features high accuracy and conforms to IEC 61036 and IEC 61268 standards.

Easy calibration of instrument using front keys. RS485 models ensure remote monitoring and calibration. Scalable voltage / current input.

PC Datalogger software logs all parameters. Reports of historical data and trends. Multicolor graphs, real time graphs for all variables. Automatic update of reports to the internet.



ADVANTAGES

- True RMS voltage
- True RMS Current
- Power Factor
- Active Power, Apparent Power, Reactive Power
- Energy consumption
- 16 Character 2 Line Backlit LCD
- Datalog Software includes
- Energy Management
- Database Report Generation
- Historical Graph Data
- Remote Power Monitoring
- Programmable Trip Parameters
- RS485/MODBUS interface
- 96x96 Panel Mount Enclosure





PQM30 SPECIFICATIONS

Application	Three Phase Power / Energy Measurement
Voltage	220VAC +/-15%
Power Consumption	Less than 1 Watt
Frequency	50/60 Hz
Operating Temperature	0 to 55 Deg C
Storage Temperature	0 to 80 Deg C
Relative Humidity	5 to 90 % RH non-condensing
Accuracy	Class 1
Display	2 Line 16 Character Backlit LCD
Operating Temperature	0 to 50 Deg Cel
Standards	Conforms to IS 13779
Resolution	0.1 Watt
User Recalibration	Yes
Voltage Measurement	10 to 300 V AC with scaleable PT ratio
Current Measurement	0.1 to 5A with scaleable CT ratio
Power Measurement	Scalable
Memory	Energy in Kwhr, Resettable Energy in Kwhr
Input Method	Voltage / Current Transformers built-in
Power Factor	0.1 Lag to 0.1 Lead
Waveform Sampling	27.9 Ksps
Parameters Displayed	Voltage, Current, Frequency, PF, Active Power, Reactive Power, Apparent Power, Active Energy
Datalogger software	Logs all displayed parameters with historical data / graphs / realtime graphs and programmable setpoints
Housing	96x96x110 mm Panel mount ABS plastic enclosure
Optional:	
Serial Interface	RS485 (or) RS232