

Energy
Management

Power
Quality
Monitoring

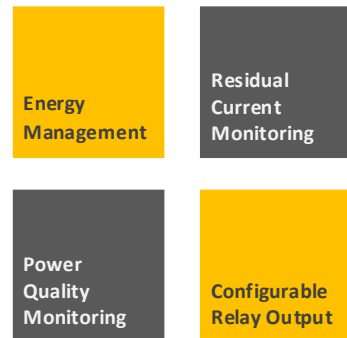
Configurable
Relay Output

Residual
Current
Monitoring

Power Meter Made for Today's Modern Energy and Power Analysis



Introducing the iPM5800 smart power monitors. Panel-mounted power meters re-designed to meet today's requirement for sub-panel power monitoring and energy management.



Features

- **Measurement and Calculation (single or three phase)**
 - High sampling rate measurement of power and energy data
 - Power demand calculation*
 - Power quality measurement and calculation: up to 30th harmonic, THD, unbalance*
 - Max, min and average calculation of power and power quality data*
 - Waveform recording with sampling rate up to 3.2k
- **User Interface**
 - Digital LCD display
- **Operation**
 - Realtime clock
 - Configurable SOE and alarm
 - Firmware upgrade via the Polaris PC software
- **M2M Interface**
 - RS485 interface (Modbus RTU)
 - Digital inputs*
 - Programmable digital/pulse output*
 - Pulse output of kWh*
- **Security**
 - Password protection
 - Sealed enclosure
- **Electrical Safety**
 - Residual current measurement*
- **Energy Management Mode***
 - Demand-side management
 - Measurement of multiple single phase load/distributed energy resource

**optional features*

Model Selector

Functions		iPM5801	iPM5803	iPM5805	iPM5809
Measurement	V-U	■	■	■	■
	I	■	■	■	■
	P, Q, S	■	■	■	■
	PF	■	■	■	■
	Phase angle		■	■	■
	f	■	■	■	■
	Energy (kWh, kvar)	■	■	■	■
	Demand				■
Power Quality	THD			■	■
	HARMONIC			■	■
	Phase unbalance			■	■
MIN, MAX				■	■
Alert and Alarm	Configurable digital output based on measured parameters			■	■
User Interface	LCD display	■	■	■	■
Energy Management Mode					■
Security	Password protection	■	■	■	■
Communication	RS485	□	□	■	■
Digital Input/output		□	□	■	■
Residual Current Measurement			■		
Neutral Current Measurement				■	■