Meter Selection Guide

IQ 250/260 Electronic Power Meter

Feature	IQ150	IQ250	PXM2250
Instrumentation			
Current, per phase	•	•	•
Current demand	•	•	•
Calculated neutral current	•	•	•
Voltage, per phase (L,L, L-N)	•	•	•
Min/Max Readings I, V	•	•	•
Min/Max Readings I, V, PF, F, W, VAR, VA	•	•	•
Frequency	•	•	•
Power			
Real, reactive and apparent power, (W, VAR, VA)	•	•	•
Power factor, total	•	•	•
Real, reactive and apparent power demand	•	•	•
Demand Methods			
Block interval (sliding, fixed)	•	•	•
Energy			
Real, reactive and apparent energy, total (Wh, VAR, Vah)	•	•	•
Data Logging			
Memory		Opt, 128 KB	256 MB
Communications			
RS-485, Modbus RTU/ASCII, KYZ Output	Opt	•	•
DNP 3.0		•	•
Digital I/O			
Digital Input		Opt	Opt
Digital Output		Opt	Opt
Analog I/O			
Analog Output		Opt	Opt
Ethernet			
HTTP (Web pages)		*	•
SMTP (Email)		*	•
NTP (Time Sync)		*	•
Modbus TCP/IP (RJ-45)	Opt	*	•
BACnet/IP			•
SNMP		*	•
Phasor Diagram (Web View - Wye Connected)			•
Revenue Accuracy			
ANSI C12.20 (0.5 or 0.2%)	0.5%	0.2%	0.2%

***Note:** Option can be added later by upgrading to a Power Xpert Meter 2000 series using a Power Xpert Meter 2000 Gateway Card Kit (PXM2000-GCK).

This is not the full line of power and energy meters offered by Eaton. Please see **www.eaton.com/meters** for a complete list.

Powering Business Worldwide

Ordering Information

Table 1. IQ 100 Meter Catalog Numbering System

IQ 150 M A 6 5 1 1

Model Series
- **130** = Volts/Amps
- **140** = Power
- **150** = Energy

Meter Type
- **M** = Meter (with integral display)
- **T** = Transducer Only (no display)

Frequency
- **5** = 50 Hz System
- **6** = 60 Hz System

Current Input
- **1** = 1 Amp Secondary
- **5** = 5 Amp Secondary

Power Supply
- **1** = 90–265 Vac/dc
- **4** = 24–48 Vdc

Communication
- **0** = None
- **1** = Modbus RTU and KYZ Output (RS485)
- **2** = Modbus TCP and KYZ Output (RJ45)

Table 2. IQ 250/260 Meter Catalog Numbering System

IQ 250 M A 6 5 1 1 0

Model Series
- **250** = Energy
- **260** = Power Quality

Meter Type
- **M** = Meter (with integral display)
- **T** = Transducer Only (no display)

Data Logging
- **A** = None
- **L** = Data logging

Frequency
- **5** = 50 Hz System
- **6** = 60 Hz System

Current Input
- **1** = 1 Amp Secondary
- **5** = 5 Amp Secondary

Power Supply
- **1** = 90–265 Vac/dc
- **4** = 24–48 Vdc

I/O Slot 1
- **0** = None
- **1** = 2 Relay Outputs/2 Status Inputs
- **2** = 4 KYZ Pulses/4 Status Inputs
- **3** = 4 Analog Outputs: 0–1 mA
- **4** = 4 Analog Outputs: 4–20 mA

I/O Slot 2
- **0** = None
- **1** = 2 Relay Outputs/2 Status Inputs
- **2** = 4 KYZ Pulses/4 Status Inputs
- **3** = 4 Analog Outputs: 0–1 mA
- **4** = 4 Analog Outputs: 4–20 mA

Table 3. Power Xpert Meter 2000 Catalog Numbering System

PXM 2250 M A 6 5 1 0 5

Model Series
- **2250** = Energy Meter
- **2260** = Power Quality Meter
- **2270** = Power Quality Plus Meter
- **2280** = Power Quality Plus with up to 64 samples/cycle waveform recording meter
- **2290** = Power Quality Plus with up to 512 samples/cycle waveform recording meter

Meter Type
- **M** = Meter (with integral display)
- **T** = Transducer Only (no display)

Frequency
- **5** = 50 Hz System
- **6** = 60 Hz System

Current Input
- **1** = 1 Amp Secondary
- **5** = 5 Amp Secondary

Power Supply
- **1** = 90–265 Vac/dc
- **4** = 24–60 Vdc

I/O Slot 1
- **0** = None
- **1** = 2 Relay Outputs/2 Status Inputs
- **2** = 4 KYZ Pulses/4 Status Inputs
- **3** = 4 Analog Outputs: 0–1 mA
- **4** = 4 Analog Outputs: 4–20 mA

I/O Slot 2
- **5** = Gateway Card

Example 1: **PXM2270MA65145** (PXM 2270 Meter/Display 60 Hz, 5 A, 90 – 265 Vac/dc W/4AO)
Example 2: **PXM2250MA65105** (PXM 2250 Meter/Display 60 Hz, 5 A, 90 – 265 Vac/dc)

Table 4. IQ Meter Accessories

Description	Catalog Number
Panel Mounting Adapter Kit for retrofitting an IQ 100 meter, an IQ 250/260 meter or a Power Xpert Meter 2000 to an IQ Analyzer/IQ DP-4000/IQ Data Cutout	**IQ250-PMAK**
PXM 2000 Gateway Card Kit to Upgrade an IQ 250/260 to a PXM 2000	**PXM2000-GCK**

Table 5. Power Xpert Meter 2000 & IQ 250/260 I/O Cards

Description	Catalog Number
PXM 2000 & IQ 250/260 I/O Card-2 Relay Outputs/2 Status Inputs	**IQ250/260-IO1**
PXM 2000 & IQ 250/260 I/O Card-4 KYZ Pulses/4 Status Inputs	**IQ250/260-IO2**
PXM 2000 & IQ 250/260 I/O Card-4 Analog Outputs - 0–1 mA	**IQ250/260-IO3**
PXM 2000 & IQ 250/260 I/O Card-4 Analog Outputs - 4–20 mA	**IQ250/260-IO4**

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