IQ and Power Xpert® Meter 2000 Comparison

Feature	IQ130	IQ140	IQ150	IQ250	IQ260	PXM2250	PXM2260	PXM2270	PXM2280	PXM2290
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										
Storage				Opt 128KB	Opt 128KB	256MB	512MB	768MB	768MB	768MB
THD										
% THD Amps and Volts (To 40th)					•		•	•	•	•
Waveform										
Waveform recording, samples/cycle									Up to 64	Up to 512
Ind. Bar Harmonics view								•	•	•
Single cycle waveform view								•	•	•
Communications										
RS-485, Modbus RTU/ASCII, KYZ Output	Opt	Opt	Opt	•	•	•	•	•	•	•
DNP 3.0				•	•	•	•	•	•	•
Digital I/O										
Digital Input				Opt	Opt	Opt	Opt	Opt	Opt	Opt
Digital Output				Opt	Opt	Opt	Opt	Opt	Opt	Opt
Analog I/O										
Analog Output				Opt	Opt	Opt	Opt	Opt	Opt	Opt
Ethernet										
HTTP (Web pages)				*	*	•	•	•	•	•
SMTP (Email)				*	*	•	•	•	•	•
NTP (Time Sync)				*	*	•	•	•	•	•
Modbus TCP/IP (RJ-45)	Opt	Opt	Opt	*	*	•	•	•	•	•
BACnet/IP						•	•	•	•	•
SNMP				*	*	•	•	•	•	•
Phasor Diagram (Web View - Wye Connected)				*	*	•	•	•	•	•
Revenue Accuracy										
ANSI C12.20 (0.5 or 0.2%)	0.5%	0.5%	0.5%	0.2%	0.2%	0.2%	0.2%	0.2%	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).

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Ordering Information

Table 1. IQ 100 Meter Catalog Numbering System

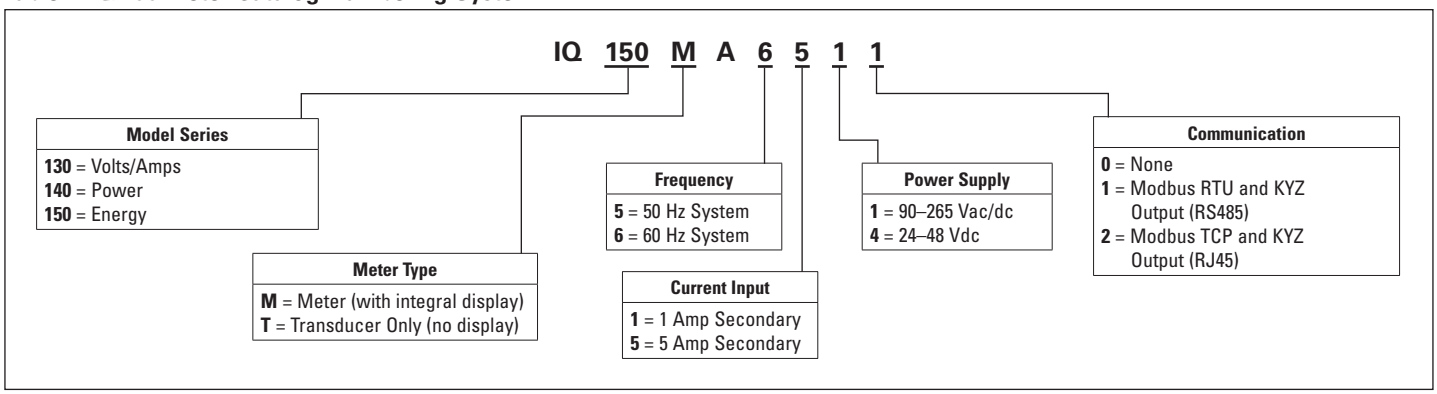


Table 2. IQ 250/260 Meter Catalog Numbering System

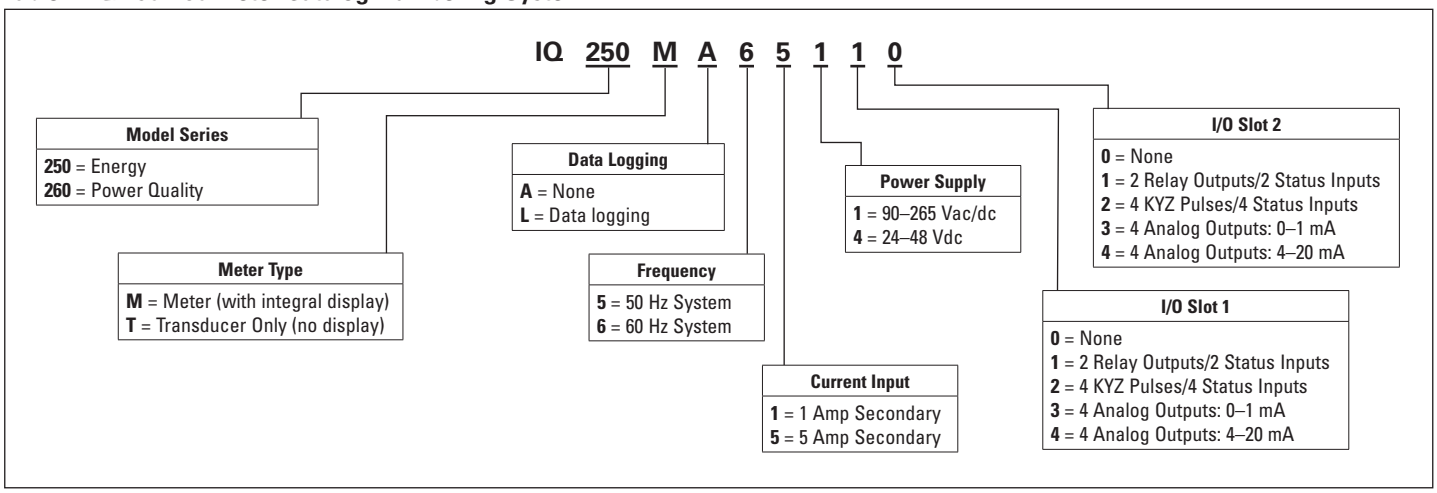
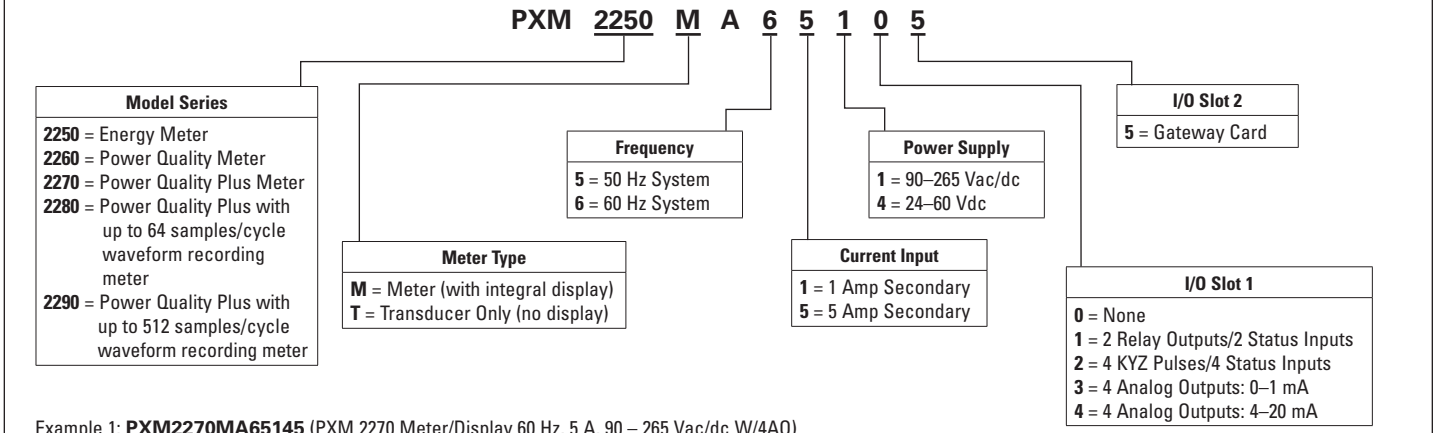


Table 3. Power Xpert Meter 2000 Catalog Numbering System



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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