


i-meter[®] 45



Features

- ◆ Universal Voltage 120-600 V 'Y'*
- ◆ 1, 2, or 3 phase circuit metering
- ◆ Wide frequency range 45-65Hz
- ◆ Uses self shorting transformers
- ◆ Easy to mount and install
- ◆ Great when every circuit virtually supports a different application (Modern Data Centre)
- ◆ Made for a 42 circuit panel with 3 mains
- ◆ Programmed for single-phase or poly-phase applications
- ◆ Optional 80-character display
- ◆ Save valuable space, embed the meter directly in the panel and save on installation time
- ◆ Programmable on site with laptop computer
- ◆ Self-powered, low burden
- ◆ Multiple functions options; voltage, current, real power, apparent power, power factor, frequency and total harmonic distortion


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Innovative Metering Solutions

i-meter[®] 45

Product Summary

	i-meter [®] 45 (Rails)	i-meter [®] 45 (Interface Board)
Dimensions (Inches)	16.5 H x 4.5 W x 2 D	
Dimensions (Millimeters)	420 H x 115 W x 45 D	
Mounting Options	Embed in a panel/ Externally mount with loose CT's	
# of Meters	1 to 45	
Meter Elements (CTs)	1 to 45	
Voltage	Auto Ranging, 90 to 600V 'Y'	
Service type:	1Ø2W, 1Ø3W, 2Ø3W, 3Ø4W wye, 3Ø3W Delta*	
Current Transformers	80/100 mA, Self-Shorting	
Instrument Transformers Interface	Yes	
Memory	Optional Modules up to 4 GB Memory	
Pulse Output	Wh	
Communications	Modbus RTU, BACnet MS/TP, RF, Ethernet, TCP/IP	
Frequency	45 to 65 Hz	
Accuracy Class	0.5, (Meets ANSI C.12.20)	
Real Time Measurements	V, I, kW, kVA, kVar, PF, Hz, THD (V/I)	
Operating Temperature	-10°C to +53°C	
Regulatory Compliance / Approvals	Measurement Canada, _C CSA _{US} , _C UL _{US} , CTEP (CA)	
Patent	U.S. Patent No. 8,049,488	

*Delta systems require potential transformers

