

i-meter[®] 45



Features

- ◆ Innovative Metering Solution
- ◆ Easy to mount and install
- ◆ Modern data centre where virtually every circuit supports a different application
- ◆ 42 circuit panel with 3 mains
- ◆ Programmed for single-phase or poly-phase applications
- ◆ Optional 80-character display
- ◆ Using a preferred communications protocol such as MODBUS, Bacnet, RF or TCP/IP
- ◆ Save valuable space, embed the meter directly in the panel and save on installation time
- ◆ Universal design can be installed directly inside a Distribution Panel of choice
- ◆ Save valuable installation time by being able to snap and plug 4 ribbon cables in place rather than wiring 45 individual current transformers
- ◆ Programmed on site with laptop computer
- ◆ Self-powered, low consumption burden
- ◆ Applications: Residential, Commercial, Industrial


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Innovative Metering Solutions

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	Embedded/External	
# of Meters	1 to 45	
Meter Elements (CTs)	1 to 45	
Voltage	Auto Ranging, 90 to 347 VAC (L-N)	
Service type:	1Ø2W, 1Ø3W, 2Ø3W, 3Ø4W wye, 3Ø3W Delta*	
Current Transformers	80/100 mA	
Instrument Transformers Interface	Yes	
Memory	Optional Modules up to 4 GB Memory	
Pulse Output	Wh	
Communications	MODBUS, RTU, Bacnet, MSTP, RF, Ethernet	
Frequency	45 to 65 Hz	
Accuracy Class	1.0	
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, CSA (C/US), UL, CTEP (CA)	
Patent	U.S. Patent No. 8,049,488	

*Delta systems require potential transformers