

i-meter[®] MF Series

Multi-Function Multi Meter



Features

- ◆ Universal Voltage 120-600V 'Y'*
- ◆ 1, 2 or 3 phase in on meter
- ◆ Wide frequency range 45-65 Hz
- ◆ Up to 5,000 Amps range in one meter
- ◆ Self-shorting current transformers
- ◆ One item to cover multiple SKU's
- ◆ Approved for revenue metering
- ◆ i-meter[®] MF3 (1 3 ϕ meter, with optional neutral current measurement)
- ◆ i-meter[®] MF6 (2 3 ϕ meters, with optional neutral current measurement)
- ◆ Flexible format to show rates, prices, date and time
- ◆ Monitor multiple electrical Loads from the same distribution panel
- ◆ Communicate with other equipment using radio signals, Modbus or BACnet
- ◆ Periodic collection and storage up to 45 days at 5 minute intervals
- ◆ Displays shows energy consumption; kilowatt hours, volts, amps per phase, power factor, frequency & total harmonic distortion

<http://www.intellimeter.us/>

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Product Summary

	i-meter [®] MF 3	i-meter [®] MF 6
Dimensions (Inches)	9.8 H x 7.3 W x 3.5 D	
Dimensions (Millimeters)	275 H x 185 W x 89 D	
Mounting Options	Surface Mount	
# of Meters	1	2
Meter Elements (CTs)	1 to 3	1 to 7 (1 Neutral)
Voltage	Auto Ranging, 90 to 600V 'Y'	
Service type:	1Ø2W, 1Ø3W, 2Ø3W, 3Ø4W wye, 3Ø3W Delta*	
Current Transformers	80/100 mA output, Self-Shorting	
Instrument Transformers Interface	Yes	
Memory	45 days (5 min intervals) kWh	
Pulse Output	Wh/VAh	
Communications	Modbus RTU, BACnet MS/TP, RF, Ethernet, TCP/IP	
Frequency	45 to 65 Hz	
Accuracy Class	0.5 (Meets ANSI C12.20)	
Real Time Measurements	V, I, kW, kVA, PF, Hz, THD (V/I)	
Operating Temperature	-10°C to +53°C	
Regulatory Compliance / Approvals	Measurement Canada, CCSAUS, CULUS, CTEP (CA)	
Patent	U.S. Patent No. 8,049,487	

*Delta systems require potential transformers

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