

i-meter[®] MF Series

Multi-Function Multi Meter



Features

- ◆ Voltage input from 120V-347V L-N
- ◆ 1, 2 or 3 phase in on meter
- ◆ Self-shorting current transformers
- ◆ 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)
- ◆ Wide frequency range 45-65 Hz
- ◆ Up to 5,000 Amps range in one meter
- ◆ Monitor multiple electrical Loads from the same distribution panel
- ◆ 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

i-meter[®] MF Series

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 range 120 - 347VAC (L-N), -20% to +10% of rating	
Service type:	1Ø2W, 1Ø3W, 2Ø3W, 3Ø4W wye, 3Ø3W Delta*	
Current Transformers	80/100 mA output, Self-Shorting Protection	
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, kVar, PF, Hz, THd (V/I)	
Operating Temperature	-10°C to +53°C	
Regulatory Compliance / Approvals	Measurement Canada, cCSA _{US} CTEP (CA)	
Patent	U.S. Patent No. 8,049,487	

*Delta systems require potential transformers