

Product Summary Sheet

	i-meter® EM	i-meter® MF	i-meter® MF12	i-meter® 636	i-meter® 45
Model	i-meter® EM 3 i-meter® EM 6	i-meter® MF 3 i-meter® MF 6	i-meter® MF12 i-meter® MF12TK	i-meter® 636 EXTC (External CT's) i-meter® 636 INC (Internal CT's)	i-meter® 45 (Rails) i-meter® 45 (Interface Board)
Dimensions - Inches	9.8 H x 7.3 W x 3.5 D	9.8 H x 7.3 W x 3.5 D	8 H x 7 W x 2.5 D 6.5 H x 16 W x 13 D	16.5 H x 4.5 W x 2 D ENC with MDU 24 H x 8 W x 5 D ENC without MDU 24 H x 6 W x 4 D	16.5 H x 4.5 W x 2 D ENC with MDU 24 H x 8 W x 5 D ENC without MDU 24 H x 6 W x 4 D
Millimeters	275 H x 185 W x 89 D	275 H x 185 W x 89 D	201 H x 169 W x 63 D 165 H x 406 W x 330 D	420 H x 115 W x 45 D ENC with MDU 610 H x 203 W x 127 D ENC without MDU 610 H x 152 W x 102 D	420 H x 115 W x 45 D ENC with MDU 610 H x 203 W x 127 D ENC without MDU 610 H x 152 W x 102 D
Mounting Options	Surface Mount	Surface Mount	Surface Mount	Embedded/External	Embedded/External
# of Meters	1 to 2	1 to 2	1 to 12	1 to 16	1 to 45
Meter Elements (CTs)	1 to 6	1 to 7 (1 Neutral)	1 to 12	1 to 16	1 to 45
Voltage	Auto Ranging 90 to 600 Volts ('Y')	Auto Ranging 90 to 600 Volts ('Y')	Auto Ranging 90 to 600 Volts ('Y')	Auto Ranging 90 to 600 Volts ('Y')	Auto Ranging 90 to 600 Volts ('Y')
Service type: 1Ø2W, 1Ø3W, 2Ø3W, 3Ø4W wye, 3Ø3W Delta (with PT's)	yes	yes	yes	yes	yes
80/100 mA output Current Transformers	yes	yes	yes	yes	yes
Instrument Transformers Interface	yes	yes	yes	yes	yes
Memory	45 days (5 min intervals) kWh	45 days (5 min intervals) kWh	45 days (5 min intervals) kWh	45 days (5 min intervals) kWh	Optional Modules up to 4 GB Memory
Pulse Output	Wh/VAh	Wh/VAh	Wh/VAh	Wh	Wh
Communications	Modbus RTU BACnet MS/TP RF ETHERNET	Modbus RTU BACnet MS/TP RF ETHERNET	Modbus RTU BACnet MS/TP RF ETHERNET	Modbus RTU BACnet MS/TP RF ETHERNET	Modbus RTU BACnet MS/TP RF ETHERNET
Frequency	45 to 65 Hz	45 to 65 Hz	45 to 65 Hz	45 to 65 Hz	45 to 65 Hz
Accuracy Class	0.5% Meets ANSI C12.20	0.5% Meets ANSI C12.20	0.5% Meets ANSI C12.20	0.5% Meets ANSI C12.20	0.5% Meets ANSI C12.20
Real Time Measurements	kW	V, I, kW, kVA, kVar, PF, Hz, THD (V/I)	V, I, kW, kVA, kVar, PF, Hz, THD (V/I)	V, I, kW, kVA, kVar, PF, Hz	V, I, kW, kVA, kVar, PF, Hz, THD (V/I)
Operating Temperature	-20°C to +53°C	-10°C to +53°C	-40°C to +60°C	-40°C to +53°C	-10°C to +53°C
Regulatory Compliance / Approvals	Measurement Canada cCSA _{US} cUL _{US} CTEP (CA)	Measurement Canada cCSA _{US} cUL _{US} CTEP (CA)	CSA (C/US)	Measurement Canada cCSA _{US} cUL _{US} CE CTEP (CA)	Measurement Canada cCSA _{US} cUL _{US} CTEP (CA)
Patent	U.S. Patent No. 8,049,487	U.S. Patent No. 8,049,488	U.S. Patent No. 8,049,488	U.S. Patent No. 8,049,488	U.S. Patent No. 8,049,488