

Catalogue No: **1408-EM3A-ENT**
PM1000 ENERGY MONITOR EM3 ETHERNET

Energy Management and Building Automation > Energy Management and Metering > Power and Multifunction Meters > Allen-Bradley Power and Multifunction Meters > PM1000 Energy Meter > Energy Monitors



PM1000 ENERGY MON. EM3 ETH

- Quick and easy to install
- Modern design
- High accuracy monitoring and measurement to IEC 62053-21
- Easy to read and configure
- Options for remote communication including Ethernet/IP
- Very high sample rate to capture harmonics and sub transients
- User settable alarm configuration



Representative Photo Only
 (actual product may vary based on configuration selections)

SPECIFICATIONS	
Product Series	Bul. 1408
Component Type Metering	AC/DC Transducer
Meter Type(s)	Demand Energy Power
Measurement parameters	Hz kW kWh kVA kVAh kVAR I V Current Unbalance Voltage Unbalance kW Demand kVA Demand kVAR Demand Projected kW Demand Projected kVA Demand Projected kVAR Demand Demand PF
Display Technology	LCD
Details, Refresh Rate	100 ms V, I, Hz; 200 ms Power
Input Frequency, Nom	50 / 60 Hz
Input Frequency, Max	75 Hz
Input Frequency, Min	40 Hz
Input Range(s)	0.05 ... 10A
Starting Current	0.005 A
In, Rated Current	5 A
Isn, Secondary Current, Rated	5 A
Isn, Secondary Current, Max	15 A max
Input voltage, 1ph, nom (rms)	347 V AC nom (rms)
Input Voltage, 1ph, min (rms)	15 V AC min (rms)

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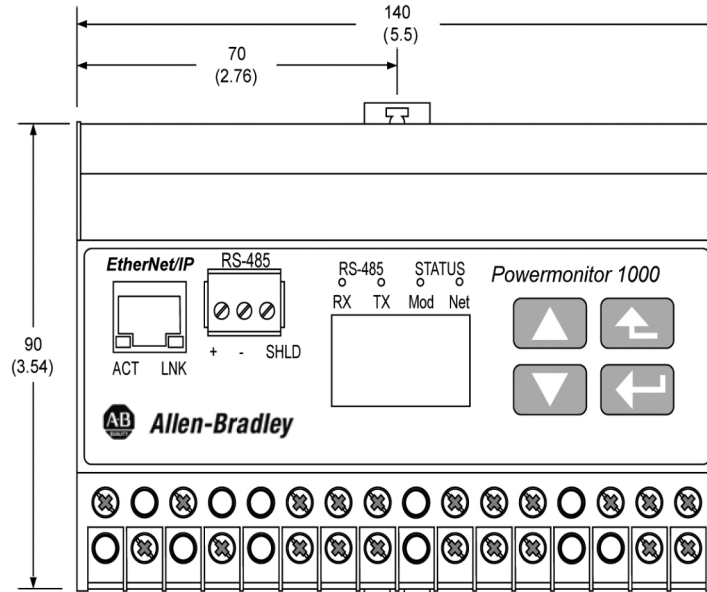
Input Voltage, 1ph, max (rms)	399 V AC max (rms)
Input voltage, 3ph, nom (rms)	600 V AC nom (rms)
Input Voltage, 3ph, min (rms)	26 V AC min (rms)
Input Voltage, 3ph, max (rms)	691 V AC max (rms)
Communications Protocols	EtherNet/IP EtherNet/OCPP
Communication Protocol(s)	EtherNet/IP Modbus TCP (Ethernet)
Accuracy Class, kWh, IEC 62053-21	1 IEC 62053-21
Accuracy Class, kVARh, IEC 62053-23	1 IEC 62053-23
Current, Overload Capacity, Continuous	0.015 kA
Current, Overload Capacity, 0.5s	0.2 kA
Dielectric Strength	2500V
Mounting (Multiple)	DIN-35 Rail Mount Panel Mount Wall Mount
Operating Temperature, Min	-10 °C min
Operating Temperature, Max	60 °C max
Storage Temperature, Min	-40 °C min
Storage Temperature, Max	85 °C max
Humidity Type	Non-condensing
Relative humidity, min	5 %RH
Relative Humidity, Max	95 %RH
Terminal Type	Screw Terminal(s)
Vibration Acceleration (Max.)	2 m/s ²
Vibration Frequency, Operational (Max.)	500 Hz
Standards Compliance	EN 62053-21
Certifications	CE C-UL UL

REFERENCES

IECEX Certificate	-
Supplier Declaration of Conformity:	-
Installation Guide:	-
User Manual:	1408EM3Axxx_User Manual
Manufacturer Datasheet:	1408EM3AENT_Manufacturer Datasheet
Manufacturer Catalogue & Product Selection:	Power and Energy Management Solutions_Manufacturer Product Selection Guide

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All dimensions are mm (in.).
 Panel mount depth 59 mm (2.4 in.).
 DIN-rail mount depth 62 mm (2.44 in.).
 Hole spacing tolerance: ± 0.4 mm (0.016 in.).

Dimension Diagram