



Manufacturer of energy meters and controllers for automation and HVAC.



OMNI⚡RATE



MEI EM20

Electronic energy and input meter with integrated current transformer.

Easy monitoring

MEI-EM20 is an electronic power/energy meter for sub-metering applications. It has specific functions that allows for easy integration with numerous building automation systems.

Integrated CT

Every measurement of loads up to 120A can be done directly through the built-in current transformers, or indirectly without maximum current limit with external transformers.

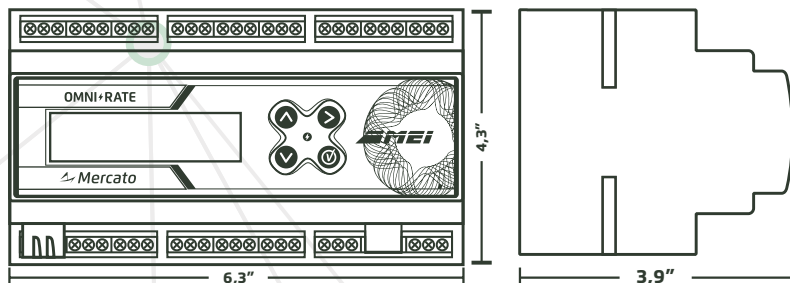
Varied management

In addition to measuring energy consumption, the MEI-EM20 has 5 pulse inputs to also manage water, gas and other quantities.

Multi-protocol

MEI-EM20 is FP-based and has native communication with BACnet and Modbus protocols for easier integration with Building Management Systems (BMS).

Dimensions:



Scan the QR Code to access the page of product

Internal webserver

Easy navigation.

Navigation interface

Local keyboard for operation and navigation.

Display

LCD display for on-line monitoring.



Ethernet Port.

RS-485 Port.

Modbus e BACnet Protocols.



Opening diameter for wiring: 17mm

Features

Energy measurement	3-phase voltage measurement up to 347VAC (L-N) / 600VAC (L-L)
Current measurement	Internal current measurement CTs (up to 120A) or external CTs (333mV output), software selectable
Trend Log Data	All trend log data available in standard BACnet Trendlog objects. Can be downloaded in CSV format through webserver.
Communication interface	1x Ethernet port (10/100M) - IP based and 1x Isolated RS485 port
Communication protocols	Supports BACnet, Modbus and SNMP protocols (even simultaneously)
Digital input / pulse	5x pulse inputs for gas/water/... counting
Analog input	1x configurable analog input (0/2-10V or 0/4-20mA)
Digital output	2x relay outputs network commandable or controlled by internal independent schedules
Analog output	1x analog output (0/2-10V)
Battery-maintained watch	Real time clock maintained by supercapacitor (no maintenance).
Configuration via Web interface	Easy configuration and live monitoring using internal webserver.
Accuracy	Accuracy of 0.2% (V, I) or 0.5% (energy);
Memory	Internal memory for historical data up to 60 days, with 1-hour resolution of all consumption data.
Display	2 x 16 character alphanumeric LCD with backlight
Power supply	90 to 277VAC
Fixation	Screws
Dimensions	6,3" (160 mm) L x 4,3" (109 mm) W x 3,9" (99 mm) H
Certifications	UL listed (US and Canadian) – UL 61010 standard



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