



Manufacturer of **energy meters** and **controllers** for automation and HVAC.

MEI
EM 20

OMNI⚡RATE



Electronic energy and IP-based with integrated current transformer.

Easy integration

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

Diversified measurement

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

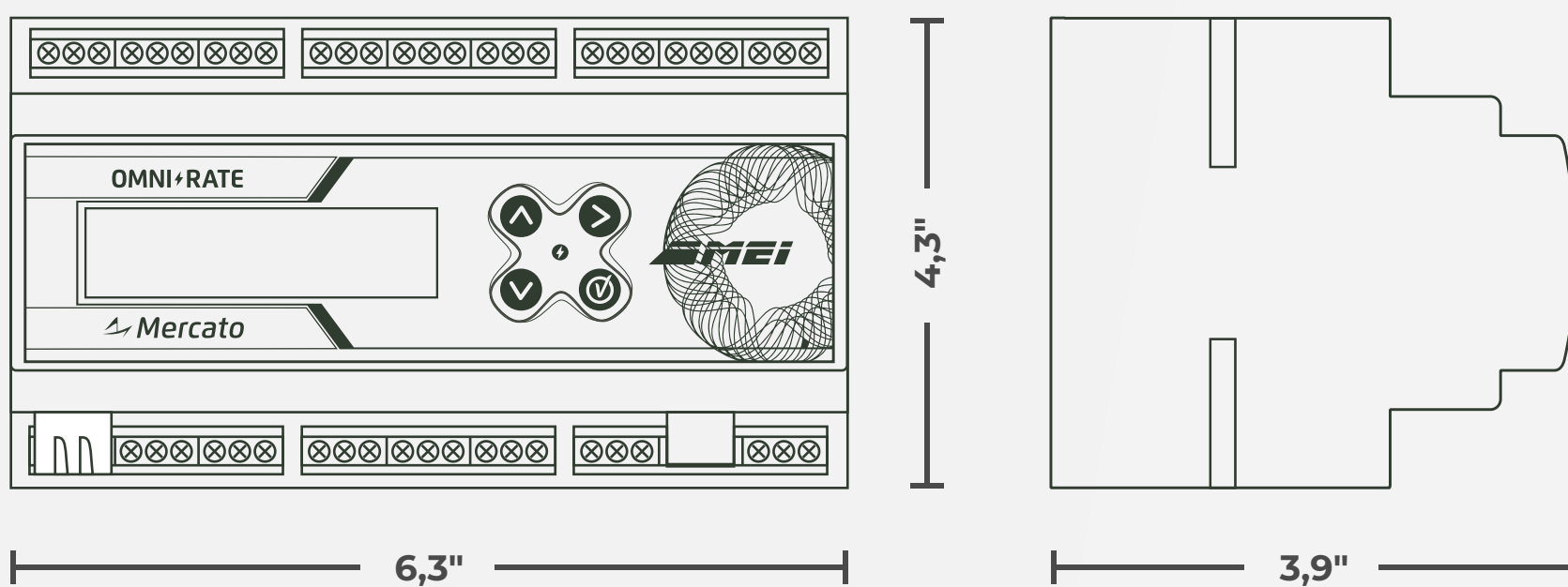
Integrated CTs

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

Multi-protocol

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

Dimensions:



Click or scan the QR Code to access the page of product

Internal webserver

Local interface

Display

Ethernet

RS-485

Modbus, BACnet and SNMP



Opening diameter for wiring: 17mm

FEATURES

Voltage 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 interfaces	1x Ethernet port (10/100M) - IP based and 1x Isolated RS485 port
Communication protocols	Supports BACnet, Modbus and SNMP protocols (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 RTC	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 trendlog 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 Canada) – UL 61010 standard

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