

Electronic Products

MED/EMD 1-2 Series Energy Meters

The MED and EMD 1-2 series energy meters, designed in rail-mounted enclosures of 18 mm and 36 mm, enable the measurement and monitoring of basic electrical parameters in addition to energy consumption for single-phase systems.

With optional MID approval, they offer effective and competitive solutions for billing needs in applications such as marinas and shopping centers.

Equipped with digital outputs and an RS485 (Modbus RTU) interface, the devices can meet different requirements while directly participating in energy monitoring applications.

Accepting current inputs up to 45A and 80A, the devices eliminate the need for current transformers in projects.

- Optional MID Approval
- Direct connection up to 45A and 80A in addition to current transformer models
- High Measurement Accuracy
- 4 sub-tariffs with real-time clock in addition to 2 main tariffs
- RS485 (Modbus RTU) Option
- 2 Digital Output Options
- Free user interface software



Product Name	Order No	Definition	MID Approval	Basic Electrical Parameters	Only Import Active Energy	4 Quadrant Energy Measurement	Measuring Accuracy	Min / Max Data Logging	Total Harmonic Distortion (THD)	Individual Harmonics (up to 31st)	Demand	Alarm Setting	LCD Screen	Digital Outputs (2 Qty)	Main Tariff	Sub-tariffs	RS485 (Modbus RTU)	85-300 V DC/DC	45Amps Direct Connection	80Amps Direct Connection	X/1 & X/5	Enclosure Dimension	Rail Mount
B45-0W-01	606357	MED1	✓		✓		Class B						✓	1	1			✓	✓			18 mm	✓
B45-1M-V1	606358	MED1	✓	✓		✓	Class B				✓		✓	2	2		✓	✓	✓			18 mm	✓
B45-0M-01	606359	MED1	✓	✓		✓	Class B						✓	1	1			✓	✓			18 mm	✓
145-0W-01	606360	EMD1			✓		Class 1	✓	✓	✓			✓	1	1			✓	✓			18 mm	✓
145-1M-V2	606361	EMD1		✓		✓	Class 1	✓	✓	✓	✓	✓	✓		2		✓	✓	✓			18 mm	✓
145-0M-01	606362	EMD1		✓		✓	Class 1	✓	✓	✓			✓	1	1			✓	✓			18 mm	✓
C80-1M-V3CT	606363	MED2	✓	✓		✓	Class C				✓		✓	2	2	4	✓	✓			✓	36 mm	✓
B80-1M-V2CT	606364	MED2	✓	✓		✓	Class B				✓		✓	2	2		✓	✓			✓	36 mm	✓
C80-1M-V3	606365	MED2	✓	✓		✓	Class C				✓		✓	2	2	4	✓	✓		✓		36 mm	✓
B80-1M-V2	606366	MED2	✓	✓		✓	Class B				✓		✓	2	2		✓	✓		✓		36 mm	✓
B80-0M-02	606367	MED2	✓	✓		✓	Class B						✓	2	1			✓		✓		36 mm	✓
B80-0M-02P	606368	MED2	✓	✓		✓	Class B						✓	2	1			✓		✓		36 mm	✓
B80-0W-01	606369	MED2	✓		✓		Class B						✓	1	1			✓		✓		36 mm	✓
580-1M-V4CT	606370	EMD2		✓		✓	Class 0.5	✓	✓	✓	✓	✓	✓		2	4	✓	✓			✓	36 mm	✓
180-0M-V1CT	606371	EMD2		✓		✓	Class 1	✓	✓	✓			✓	2	1			✓			✓	36 mm	✓
180-0W-01	606372	EMD2			✓		Class 1	✓	✓	✓			✓	1	1			✓		✓		36 mm	✓
580-1M-V3	606373	EMD2		✓		✓	Class 0.5	✓	✓	✓	✓	✓	✓	2	2	4	✓	✓		✓		36 mm	✓
180-0M-02	606374	EMD2		✓		✓	Class 1	✓	✓	✓			✓	2	1			✓		✓		36 mm	✓
180-1M-V2	606375	EMD2		✓		✓	Class 1	✓	✓	✓	✓	✓	✓		2		✓	✓		✓		36 mm	✓

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MED/EMD 4 Series 3-Phase Energy Meters

The MED4 and EMD4 series are optionally MID-approved energy meters, designed in 72mm rail-mounted enclosures, allow for the measurement and monitoring of energy consumption and basic electrical parameters for three-phase systems. Equipped with digital inputs/outputs and an RS485 (Modbus RTU) interface, the devices can meet different requirements while directly participating in energy monitoring applications. Accepting current inputs up to 100A, the devices eliminate the need for current transformers in projects.

- Optional MID Approval
- Direct connection up to 100A in addition to current transformer models
- High Measurement Accuracy
- 3 Tariffs Option
- RS485 (Modbus RTU) Option
- 2 Digital Output Options
- 2 Digital Input Options
- Free user interface software



Product Name	Order No	Definition	Voltage, Current and Frequency	4 Quadrant Energy Measurement	2 Quadrant Reactive Energy Monitoring	4 Quadrant Reactive Energy Monitoring	Measuring Accuracy	Min / Max Data Logging	Total Harmonic Distortion (THD)	Individual Harmonics (up to 31st)	Demand	Alarm Setting	LCD Screen	Digital Outputs	Digital Inputs	Main Tariff	RS485 (Modbus RTU)	85-300 V DC/DC	80Amps Direct Connection	X/1 & X/5	Enclosure Dimension	Rail Mount
C100-1M-V4	606 800	MED4	√	√	√		Class B		√		√		√	2	2	2	√	√	√		72 mm	√
C100-1M-V2	606 801	MED4	√	√	√		Class B		√		√		√	0	0	1	√	√	√		72 mm	√
B100-0M-V3	606 802	MED4	√	√	√		Class B		√		√		√	2	2	2		√	√		72 mm	√
B100-0M-V1	606 803	MED4	√	√	√		Class B		√		√		√	2	0	2		√	√		72 mm	√
C100-1M-V4CT	606 804	MED4	√	√	√		Class B		√		√		√	2	2	2	√	√		√	72 mm	√
C100-1M-V2CT	606 805	MED4	√	√	√		Class B		√		√		√	0	0	1	√	√		√	72 mm	√
B100-0M-V3CT	606 806	MED4	√	√	√		Class B		√		√		√	2	2	2		√		√	72 mm	√
B100-0M-V1CT	606 807	MED4	√	√	√		Class B		√		√		√	2	0	2		√		√	72 mm	√
5100-1M-V1CT	606 808	EMD4	√	√	√		Class 0.5	√	√	√	√	√	√	0	0	1	√	√		√	72 mm	√
5100-1M-V2CT	606 809	EMD4	√	√	√		Class 0.5	√	√	√	√	√	√	2	2	3	√	√		√	72 mm	√
5100-1Q-V1	606 810	EMD4	√	√		√	Class 0.5	√	√	√	√	√	√	0	0	1	√	√	√		72 mm	√
5100-1Q-V2	606 811	EMD4	√	√		√	Class 0.5	√	√	√	√	√	√	2	2	3	√	√	√		72 mm	√
B100-0W-01	606 812	MED4	√	√	√		Class B						√	1	0	1		√	√		72 mm	√
C100-1Q-V3	606 814	MED4	√	√		√	Class B		√		√		√	2	2	2	√	√	√		72 mm	√
B100-1Q-V2	606 815	MED4	√	√		√	Class B		√		√		√	1	0	1	√	√	√		72 mm	√
C100-1Q-V3CT	606 816	MED4	√	√		√	Class B		√		√		√	2	2	2	√	√		√	72 mm	√
5100-1Q-V2CT	606 817	EMD4	√	√		√	Class 0.5	√	√	√	√	√	√	2	2	3	√	√		√	72 mm	√