

EMDX³ electrical energy meters

┌ rail mounting



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Measure the electricity consumed by a single-phase or three-phase circuit downstream of the electricity distribution metering. Display electricity consumption in kWh, as well as other values such as current, active energy, reactive energy and power (depending on the catalogue number). Conform to standards IEC 61557-12, IEC 62053-21/23, IEC 62052-11 and IEC 62052-31. MID compliance ensures accuracy of the metering with a view to recharging for the electricity used.

Pack	Cat.Nos		Single-phase meters	Direct connection	Maximum current (A)	Output type	Dual tariff	Number of modules
	Non-MID	MID compliant						
1	0 046 70				32	Pulse	No	1
1	4 120 68				45	RS 485	No	1
1		4 120 69			45	Pulse	No	1
1	4 120 80	4 120 82			63	Pulse	No	2
1	4 120 81	4 120 83			63	RS 485	Yes	2

Pack	Cat.Nos		Three-phase meters	Direct connection	Maximum current (A)	Output type	Dual tariff	Number of modules
	Non-MID	MID compliant						
1	4 120 90 ¹	4 120 92 ¹			63	Pulse	No	4
1	4 120 91	4 120 93			63	RS 485	Yes	4
1	4 120 74	4 120 75			125	Pulse and RS 485	Yes	6
Connection with CT								
1	4 120 40 ¹	4 120 42 ¹			5	Pulse	No	4
1	4 120 41	4 120 43			5	RS 485	Yes	4

Pack	Cat.Nos	Pulse concentrator
1	4 120 65	For collecting and transmitting measurements taken by 12 universal pulse electricity meters. Also collects pulses from other meters (gas meters, water meters, etc.) RS485 output 4 modules

Pack	Cat.Nos	Measurement concentrator
1	4 120 00	Full or partial electricity metering for 5 uses: heating, cooling, domestic hot water, and power sockets + "other". 5 inputs for current transformers (up to 2 current transformers per input). 2 pulse inputs for water and gas metering. LCD screen and 6-button keypad. RJ45 IP output. Power supply 110/230 VAC - 50/60 Hz. 6 modules

Pack	Cat.Nos	Split core current transformer
1	4 120 02	90 A max. for the measurement concentrator Cat.No 4 120 00. Accepts : 10 x 1.5 mm ² cables, or 7 x 2.5 mm ² cables, or 2 x 6 mm ² cables, or 1 x 10 or 16 mm ² cable

Pack	Cat.Nos	Solid core current transformer
1	4 120 04	60 A, for the measurement concentrator Cat.No 4 120 00

¹: One pulse type input for other types of meters (gas, water, etc.)

EMDX³ multi-function measuring units

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Conform to standards:
- IEC 61557-12
- IEC 62053-22
- IEC 62053-23 class 1

Pack	Cat.Nos	EMDX ³ modular
1	4 120 45	Multi-function measuring unit For mounting on ┌ rail Width: 4 modules • LCD display • Precision class: 1 • Connection with current transformers (CT) • Measurement of currents, voltages, frequency, active, reactive and apparent power, power factor, active and reactive energy • THD voltages and currents • RS 485 and pulse output
1	4 120 51	Multi-function measuring unit with active digital inputs and programmable alarms For mounting on ┌ rail Width: 4 modules • LCD display • Precision class: 0.5 • Connection with current transformers (CT) • Measurement of currents, voltages, frequency, active, reactive and apparent power, power factor, active and reactive energy • 4 tariff metering: • THD voltages, currents and harmonic analysis up to order 25 (available on Modbus COM port) • Programmable alarms on all functions • RS 485 and pulse output