

# EMDX<sup>3</sup> multi-function measuring units

for mounting on door or solid faceplate



4 120 47



4 120 52



4 120 53



4 120 55



4 120 57

Technical characteristics p. 121-122

Conform to standards:

- IEC 61557-12
- IEC 62053-22
- IEC 62053-23 class 1 for Cat.No 4 120 52 - Class 2 for Cat.No 4 120 53

Pack	Cat.Nos	EMDX <sup>3</sup> - Access multi-function measuring units
1	4 120 47	<b>Precision class: 1</b> For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm • LCD display • Connection with current transformers (CT) • Measurement of currents, voltages, frequency, active, reactive and apparent power and power factor • Metering: - Active energy consumed or produced - Reactive energy consumed or produced • THD voltages and currents • RS 485 communication and Pulse output
1	4 120 52	<b>Precision class: 0.5</b> For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm • LCD display • Measurement of currents, voltages, active, reactive and apparent power and power factor • Metering: - Active energy consumed or produced - Reactive energy consumed or produced - Operating time - Pulses • THD voltages, currents, and individual harmonic up to order 25 <sup>(1)</sup> • RS 485 communication and Pulse output

Pack	Cat.Nos	EMDX <sup>3</sup> - Premium multi-function measuring unit
1	4 120 53	For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm • LCD display • Precision class: 0.5 • Measurement of currents, voltages, active, reactive and apparent power, internal temperature and power factor • Metering: - Active energy consumed or produced - Reactive energy consumed or produced - Operating time - THD • Programmable alarms on all functions • Power quality functions: harmonics (U & I) to 40th, dips, swells, interruption, rapid voltage change and flickers • Memory embedded (8 Mb) • RTC (real time clock) Can take 4 EMDX <sup>3</sup> optional modules

Pack	Cat.Nos	EMDX <sup>3</sup> modules
1	4 120 55	Modules for EMDX <sup>3</sup> - Premium multi-function measuring units
1	4 120 59	R485 communication module with Modbus link
1	4 120 57	Pulse output module for energy count 2 independent and insulated outputs
1	4 120 60	2 inputs / 2 outputs module Output can be assigned to alarms on different values
1	4 120 58	2 analog outputs module 0...20 mA and/or 4...20 mA
1	4 120 58	Temperature module 2 Pt100 inputs resistances

1: Available on Modbus COM port

Pack	Cat.Nos	EMDX <sup>3</sup> Easy Connect multi-function measuring unit
1	4 120 49	For mounting on door or solid faceplate Dimensions: 96 x 96 x 75 mm To be equipped with open, flexible Rogowski coils from 630 to 6300 A, Cat.Nos 4 121 08/09/10/11 For 3-phase networks (3 or 4 cables) • LCD display allowing to read the current and voltage phase shifts and visualize the average power load curve and the harmonics diagram (up to rank 15), in addition to the display of main values of an electrical network • The fast connection system of the Rogowski coils allow time saving during wiring operations and reduce the risk of errors • Measurement of : - Phase and line (phase to phase) voltages - Minimum and maximum voltages - THD voltages - Analysis of voltage harmonics - Voltage crest factor - Phase current • MODBUS output

Pack	Cat.Nos	Rogowski coils for EMDX <sup>3</sup> Easy Connect multi-function measuring units				
1	4 120 08	Open, flexible Rogowski coils for EMDX <sup>3</sup> Easy Connect measuring units Cat.Nos 4 120 48/49 Supplied with plastic support Extension kits for Rogowski Cat.Nos 4 149 15/16 (p. 116)				
1	4 121 08	630	12,5	750	2	50
1	4 121 09	1600	32,5	1950	2	100
1	4 121 10	3200	65	3900	2	150
1	4 121 11	6300	125	7500	2	240



Extension kits Rogowski coils

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