

EMDX³ multi-function measuring units



EMDX³ Supervision system



for mounting on door or solid faceplate



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Conform to standards:

- IEC 61557-12
- IEC 62053-22
- IEC 62053-23 Class 1 for Cat. No. 4120 47

EMDX³ - Access multi-function measuring units

Pack	Cat. Nos.	EMDX ³ - Access multi-function measuring units
1	4120 47	<p>Precision Class: 1</p> <p>For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm</p> <ul style="list-style-type: none"> • LCD display • Connection with current transformers (CT) • Measurement of currents, voltages, frequency, active, reactive and apparent power and power factor • Metering: <ul style="list-style-type: none"> - Active energy consumed or produced - Reactive energy consumed or produced • THD voltages and currents • RS 485 communication and pulse output
1	4120 52	<p>Precision Class: 0-5</p> <p>For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm</p> <ul style="list-style-type: none"> • LCD display • Measurement of currents, voltages, active, reactive and apparent power and power factor • Metering: <ul style="list-style-type: none"> - Active energy consumed or produced - Reactive energy consumed or produced • Operating time • Pulses • THD voltages, currents, and individual harmonic up to order 25¹ • RS 485 communication and pulse output

EMDX³ - Premium multi-function measuring unit

1	4120 53	<p>For mounting on door or solid faceplate Dimensions: 96 x 96 x 62 mm</p> <ul style="list-style-type: none"> • LCD display • Precision class: 0-5 • Measurement of currents, voltages, active, reactive and apparent power, internal temperature and power factor • Metering: <ul style="list-style-type: none"> - 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) <p>Can take 4 EMDX³ optional modules</p>
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EMDX³ modules

		EMDX ³ - Premium multi-function measuring units
1	4120 55	R485 communication module with Modbus link
1	4120 59	Pulse output module for energy count
1	4120 57	2 independent and insulated outputs
1	4120 57	2 inputs / 2 outputs module
1	4120 60	Output can be assigned to alarms on different values
1	4120 60	2 analogue outputs module
1	4120 58	0...20 mA and/or 4...20 mA
1	4120 58	Temperature module
1	4120 58	2 Pt100 inputs resistances

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Pack	Cat. Nos.	Energy management software for 1 computer (user licence key)	
1	4149 38	Allows remote configuration, test, control and visualisation of data collected from EMDX ³ electrical energy meters and multi-function measuring units and CX ³ energy management system on one computer connected to the network	
1	4149 39	Software licence agreement (user key) for 32 Modbus addresses or 32 pulse modules	
1	4149 39	Software licence agreement (user key) 255 Modbus addresses or 255 pulse modules	
		Energy management multi-support web servers	
		Allow remote configuration, test, control and visualisation, via a web browser on PCs, smartphones, web viewers, tablet computers, of data collected from: protection devices (DX ³ add-on modules with integrated measurement control unit, DPX ³ and DMX ³), EMDX ³ electricity meters and multi-function measuring units, CX ³ energy management system and Green'up charging stations for electric vehicles.	
		rail mounting	
		Direct IP connection	
		Power supply: 9 to 28 V = with the help of a single phase switching mode power supply	
		Cat. No. 1467 21 ² to be ordered separately	
1	4149 47	For 10 Modbus addresses or 10 pulse modules	Number of modules: 4
1	4149 48	For 32 Modbus addresses or 32 pulse modules	4
1	4149 49	For 255 Modbus addresses or 255 pulse modules	
		Fixing on plate	
		Supplied with external power supply and fixing brackets	
		Communication interface	
		RS485 / Ethernet	
1	0046 89	For RS 485 / Ethernet conversion (for connection to an IP network)	Number of modules: 3

1 : Available on Modbus COM port

2 : For details of Cat. No. 1467 21, contact us on +44 (0) 370 608 9020

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