

# EMDX<sup>3</sup> electrical energy meters

┌ rail mounting



0046 70

0046 74

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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 62053-21/23, IEC 62052-11 and IEC 61010-1. MID compliance ensures accuracy of the metering with a view to recharging for the electricity used.

## Single-phase meters

Pack	Cat. Nos.		
1	Non-MID 0046 70	MID certified	<b>Direct connection</b> 32 A - 1 module Pulse output
1	0046 81		36 A - 2 modules Pulse output
1	0046 72	0046 78	63 A - 2 modules Pulse output
1	0046 77	0046 79	63 A - 2 modules RS 485 output

## Three-phase meters

Pack	Cat. Nos.		
1	Non-MID 0046 73	MID certified 0046 82	<b>Direct connection</b> 63 A - 4 modules Pulse output
1	0046 80	0046 83	63 A - 4 modules RS 485 output
1	0046 74	0046 85	<b>Connection with CT</b> 5 A - 4 modules pulse output
1	0046 84	0046 86	5 A - 4 modules RS 485 and pulse output

## Concentrator

Pack	Cat. Nos.	
1	0046 87	For collecting and transmitting measurements taken by 7 universal pulse electricity meters. Also collects data from other meters (gas meters, water meters, etc.) RS485 output 4 modules

**NEW**

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

┌ rail mounting

**NEW**



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Conform to standards :  
- IEC 61557-12  
- IEC 62053-22 class 0.5 S  
- IEC 62053-23 class 2

Pack	Cat. Nos.	EMDX <sup>3</sup> modular
		For mounting on ┌ rail Width : 4 modules • LCD display • Measurement of currents, voltages, active, reactive and apparent power and internal temperature • Dual tariff metering : - Active energy consumed - Reactive energy consumed - Operating time - Power factor • THD voltages and currents up to order 51 • Programmable alarms on all functions • Outputs for controlling wiring devices, alarm feedback and pulse feedback
1	0046 75	<b>EMDX<sup>3</sup> pulse unit</b> Data transmission via pulses
1	0046 76	<b>EMDX<sup>3</sup> RS 485 unit</b> Data transmission via RS 485 communication interface and pulses

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

**NEW**

for mounting on door or solid faceplate



0146 68



0146 69



0146 73



0261 78



0261 89

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Conform to standards :

- IEC 61557-12
- IEC 62053-22 class 0-5 S
- IEC 62053-23 class 2

Pack	Cat. Nos.	<b>EMDX<sup>3</sup> - Access</b>
1	0146 68	<b>Multi-function measuring unit</b> For mounting on door or solid faceplate Dimensions : 96 x 96 x 60 mm • LCD display • 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 - Pulses • THD voltages and currents up to order 51 • Programmable alarms on all functions Can take 2 optional modules
1	0146 71	<b>Modules for EMDX<sup>3</sup> - Access multi-function measuring unit</b> RS485 communication module MODBUS link
1	0146 72	1-output module Can be assigned to pulse feedback, alarm feedback or control of wiring devices

Pack	Cat. Nos.	<b>EMDX<sup>3</sup> - Premium</b>
1	0146 69	<b>Multi-function measuring units</b> For mounting on door or solid faceplate Dimensions : 96 x 96 x 60 mm • LCD display • 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 - Pulses • Individual harmonics up to order 63 • Programmable alarms on all functions Can take 4 optional modules

Pack	Cat. Nos.	<b>EMDX<sup>3</sup> - Premium (continued)</b>
1	0146 73	<b>Modules for EMDX<sup>3</sup> - Premium multi-function measuring units</b> RS 485 communication module MODBUS link
1	0146 74	Storage module Storage of active and reactive power over 62 days, the last 10 alarms and the average voltage and frequency values over 60 days max.
1	0146 75	Module with 2 inputs/2 outputs Up to 3 modules, i.e. 6 inputs/6 outputs, can be installed Outputs can be assigned to monitoring mode, remote control or timed remote control
1	0146 77	Temperature module Indication of the internal temperature and possibility of connecting 3 sensors for measuring the external temperature

Pack	Cat. Nos.	<b>Communication and supervision</b>
		<b>Web servers</b> Enable remote viewing, via a web browser on PCs, smartphones, web viewers, tablet computers such as iPads, Archos, etc., of values collected on electricity meters and multi-function measuring units
1	0261 78	For 32 metering points (meters or multi-function measuring units)
1	0261 79	For an unlimited number of metering points (meters or multi-function measuring units)
		<b>Legrand software dedicated to measurement</b> For displaying the values collected from electricity meters or multi-function measuring units on a PC connected to the network
1	0261 88	For 32 metering points (supplied on CD)
1	0261 89	For an unlimited number of metering points (supplied on CD)
		<b>IP converter</b> For RS485/Ethernet conversion for connecting electricity meters and multi-function measuring units to an IP network Supply voltage : 90-260 V~ 50/60Hz Dimensions : 3 modules
1	0046 89	

Download the full file at

<http://assets.kempstoncontrols.com/doc/Legrand%20Industrial%20and%20power%20protection%20catalogue.pdf>



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CONTROLS