

IQo102100d1

Direct connected One Phase DIN rail Meter

- Designed for submetering of electrical loads with high Amps
- 100 Amp Modbus meter
- MID certified

Contact

www.xemex.eu
info@xemex.eu
+31 (0)73 544 3071

mainfeatures

Measurement
- Total active and reactive energy
- Total import and export for active and reactive energy
- Instantaneous voltage and current, PF, Vrms, Irms, active and reactive power

Profiles for energy measurement modes
- 1: Total = Forward
- 2: Total = Reverse
- 3: Total = Forward +Reverse (default)
- 4: Total = Forward = Reverse

Privacy and security
- Secured with 5 digit passcode

Communication interface
- Modbus RS485/RTU Slave
  - Baudrate: 9600 (d)/19200/38400/115200
  - Parity: none, odd, even (default)
- Optical IR for active energy pulse output

Display
- LCD with blue backlight
- Three programmable display mode
- LEDs to indicate communication status

technicalspecifications

Reference standard
- EN 50470-1/3
- DLT645
- MID

Electrical

Accuracy	Active	Class B
	Reactive	Class 2
Voltage	Rated Voltage	230V
	Operation voltage range	80% to 120% Un
Current	Rated current	5A
	Starting current	20mA / 100A
Frequency	50Hz ± 5%	
Power quality	Voltage circuit	≤1W
	Current circuit	≤12VA
Pulse constant	1000 imp/kWh	

Reliability

Meter life	≥10 Years	**Data retention**	≥10 Years

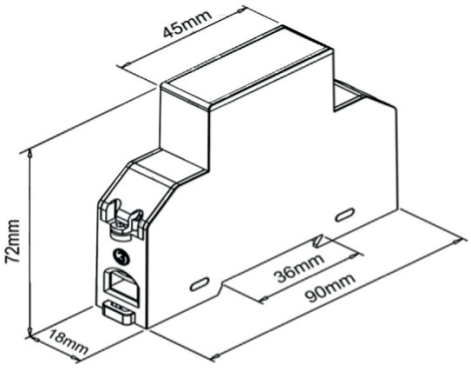
Mechanical

Dimensions (L x W x H)	18 x 90 x 72(mm)	**Weight (Kg)**	0.125
Enclosure material	PC+GF	**Insulation protection**	Class II

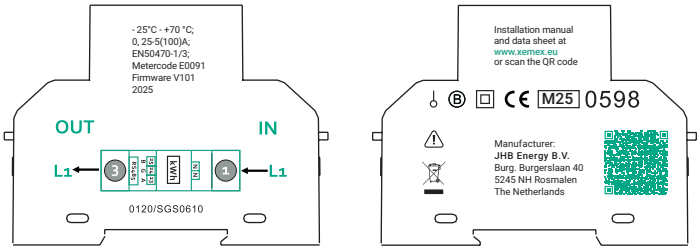
Environmental

Operating temperature	-25 ° C to 70 ° C	**Storage temperature**	-30 ° C to 70 ° C
Operating humidity	max ≤ 95% RH	**Ingress protection**	IP51 Indoor

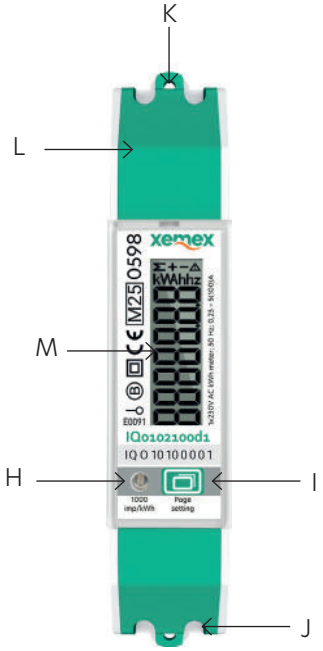
Overall dimensions



Wiring diagram



Display format



H	Impulse indication
I	Button for data checking
J	L-out
K	L-in
L	Neutral Wire
M	LCD screen

contactinformation



Manufacturer JHB Energy B.V.

Contact NL - Xemex B.V.
Burgemeester Burgerslaan 40
5245 NH Rosmalen
The Netherlands
Phone: +31 73 544 3071



Contact BE - Xemex B.V.
Metropoolstraat 11a
B2900 Schoten
Belgium
Phone: +32 32 01 95 95



Contact - UAE
Office 901 HQ Tower (North)
Dubai Science Park PO.Box: 478817
Dubai -United Arab Emirates
Phone: +971 4 4422 9701

Contact

www.xemex.eu
info@xemex.eu
+31 (0)73 544 3071