Energy-230 M

VN950200



Static energy meter for displaying active energy consumption in single-phase 230 Vac systems. MID compliant. 2-module 230 Vac power supply for DIN-rail mounted, DC input up to 25 A, with electromechanical counter and pulse output for PC display via dedicated software and corresponding concentrator module, showing energy consumption.

General features

- Green LED on: power supply present
- Red blinking LED: indicates active energy consumption (each blink = 10 Wh)
- Terminal blocks for measurement conductor insertion
- Pulse output terminal blocks (Energy-230 M only)
- MID-compliant metrological seal
- Class index: A
- Static counter with direct connection, 25 A
- Non-resettable electromechanical counter, 5 digits + decimal
- Active energy consumption indication: 1 LAMP = 10 Wh
- Pulse output for PC display of consumed energy, via dedicated software and the corresponding concentrator module

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 Hz
Measure	
Energy display resolution	0.1 kWh
Active energy measurement accuracy	Class A
Voltage circuit absorption	4 VA
Current circuit absorption	2 VA
AC current range	22.5 A
Type of insertion - current	Direct
Starting current	20 mA
Nominal - rated current	5 A
Maximum current	25 A

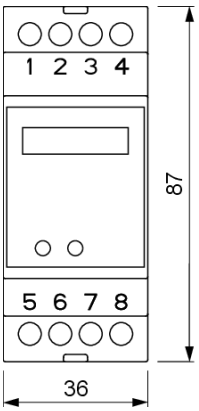
Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

Revision date: 2026-02-02

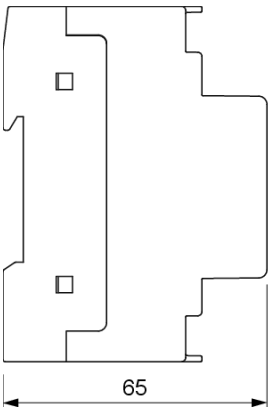
Operating conditions	
Operating temperature range	-10 ÷ 55 °C
Relative humidity	10% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Viewing	
Features of electromechanical counter	5 + 1 digits
Digits number	6
Viewing	Electromechanical counter
Outputs	
Optoisolated pulse output	✓
Pulse weight	0.1 kWh
Pulse duration	100 (±15%) ms
Pulse output current	< 20 mA
Output pulse voltage	9 ÷ 24 (±15%) Vdc
Mechanical features	
Protection degree	IP20 IP51 (on the front)
Overall dimensions	
Height (A)	87 mm
Width (B)	36 mm
Depth (C)	65 mm

Dimensions

Front View



Side View



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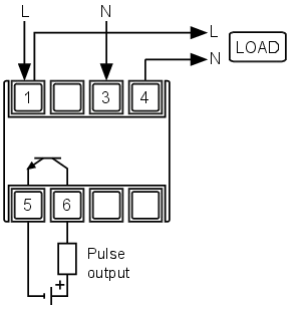
Wiring diagram



Product variants

Energy-230 M LC

VE299400

DIN-rail mounted MID energy meter, 2-DIN module, 25 A direct insertion, electromechanical counter, 230 Vac.

Accessories compatible with the product

CLIP-485

VN905600

Energy series concentrator module for meters

LAN-485

VE304200

LAN/RS-485 interface + software (on request)

Energy-View

VN970000

System consisting of a USB/RS-485 interface and software for energy meters

Reference standards

Compliance with Community Directives:

• 2004/22/CE (MID) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN 50470-1 • EN 50470-3 • EN IEC 63000

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