Energy-230 Multi

VE429700



2-DIN module energy meter, 230 Vac, with replaceable battery (5-year autonomy) and backlit LCD display. Designed for displaying active energy consumption in single-phase systems divided by time slots, as required by the energy authority. Direct current insertion up to 40 A. Displays total energy, partial total energy and per-slot partial energy values,

General features

- Large display for viewing measured consumption, divided by time slots
- Keypad for parameter setting and navigation of various menu pages
- Energy-counting LED (1 flash = 10 Wh) or indicating incorrect insertion
- Terminal blocks for power and load connection
- Display for total energy consumed, partial energy per time slot, date and time, and cost per slot (if unit value is set)
- Non-resettable total counter (full scale 99999.9)
- Total partial counter (resettable) plus 3 partial counters for the 3 time slots
- Direct insertion up to 40 A
- Keypad lock function with password to prevent modifications by unauthorised people
- Accuracy: class B
- Sealable keyboard cover
- Sealable terminal covers (lid included in the package)

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	5 VA
Buffer battery type	CR-2032 Lithium 3 V (NOT rechargeable)
Battery autonomy	5 years
Measure	
Total energy display resolution	0.1 kWh
Partial energy display resolution	0.1 kWh
Active energy measurement accuracy	Class B
Current circuit absorption	< 4 VA
AC current range	40 A
Type of insertion - current	Direct
Starting current	20 mA

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

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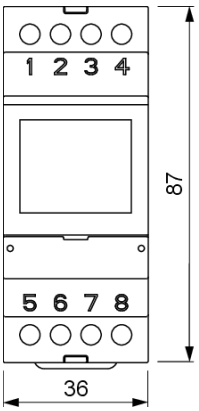
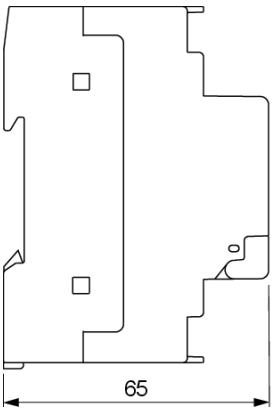
Measure	
Minimum current	0.25 A
Reference current	5 A
Maximum current	40 A
Functions	
Keypad lock function	✓
Operating conditions	
Operating temperature range	-10 ÷ 45 °C
Relative humidity	10% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Mechanical features	
Protection degree	IP20 IP51 (on the front)
Overall dimensions	
Height (A)	87.5 mm
Width (B)	36 mm
Depth (C)	65 mm

Dimensions

Front View



Side View



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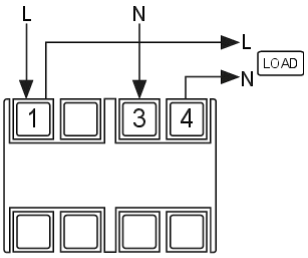
Wiring diagram



Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN 61010-1 • EN 50470-1 • EN 50470-3 • EN IEC 63000

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