# Energy-230 D22 Pulse

VE055000






Static meter with LCD display for displaying active energy consumption in single-phase 230 Vac systems. 230 Vac power supply, DIN-rail mounted (2-module), direct current input up to 22.5 A, with backlit LCD display and pulse output.

## General features

- Non-resettable total energy meter
- Programming key
- Consumption count LED
- Power supply LED
- Resettable partial energy meter
- Displaying via LCD display with 7 digits (total energy) + 5 digits (partial energy)
- Active energy consumption indication: 1 LAMP = 10 Wh
- Accuracy class 2
- Static meter with direct connection max. 22.5 A
- Pulse output for displaying consumed energy on a PC via dedicated software and the corresponding concentrator module
- Incorrect insertion indication
- Device suitable for measuring
  - total energy
  - partial energy
  - instantaneous power

## Technical specifications

| | |
|---|---|
| **Power supply** | |
| Power supply | 230 Vac (-15% ÷ +10%) |
| Frequency | 50 / 60 Hz |
| Absorption | 4 VA |
| **Measure** | |
| Instantaneous power display resolution | 0.01 kW |
| Total energy display resolution | 0.1 kWh |
| Partial energy display resolution | 0.01 (on a full scale of 999.99) kWh<br>0.1 (on a full scale of 9999.9) kWh |
| Active energy measurement accuracy | Class 2 (EN IEC 62053-21) |
| Current circuit absorption | < 2,5 VA |

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.

# Energy-230 D22 Pulse

VE055000

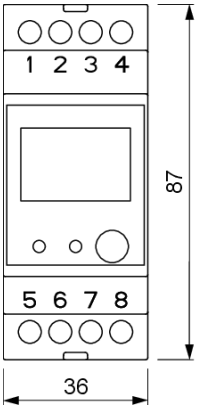


| | |
|---|---|
| **Measure** | |
| AC current range | 22.5 A |
| Type of insertion - current | Direct |
| Starting current | < 25 mA |
| Nominal - rated current | 10 A |
| Maximum current | 22,5 A |
| **Operating conditions** | |
| Operating temperature range | -10 ÷ 45 °C |
| Relative humidity | 10% ÷ 90% non-condensing RH |
| Storage temperature range | -25 ÷ 70 °C |
| **Viewing** | |
| Display | Backlit LCD |
| Digits number | 7 (total energy)<br>5 (partial energy) |
| **Outputs** | |
| Optoisolated pulse output | ✓ |
| Pulse weight | 0.1 kWh |
| Pulse duration | 100 ms |
| Pulse output current | < 20 mA |
| Output pulse voltage | 9 ÷ 24 Vdc |
| **Mechanical features** | |
| Protection degree | IP20<br>IP51 (on the front) |
| **Overall dimensions** | |
| Height (A) | 87 mm |
| Width (B) | 36 mm |
| Depth (C) | 65 mm |

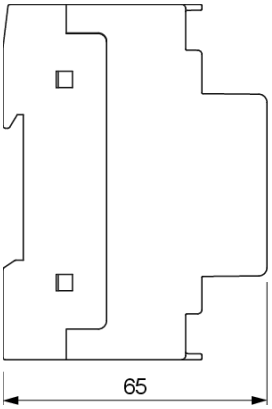
Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical 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.

## Dimensions

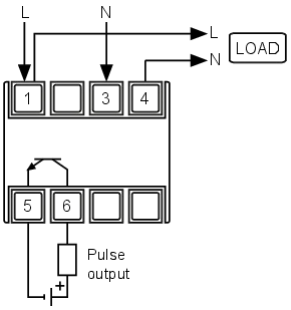
Front View




Side View




## Wiring diagram




## Product variants

**Energy-230 D22**

VE044400

DIN-rail mounted energy meter, 2-DIN module, 22.5 A direct insertion, backlit LCD display, 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


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.

## 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 IEC 62052-11 • EN IEC 62053-21 • EN IEC 63000**


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.