# ADR-R Spot

VN560900






Panel-mounted network analyser (72×72 mm), 230 Vac supply, current input via CT, with isolated current inputs. Designed for monitoring main TRMS electrical parameters in single-phase and three-phase systems with or without neutral, with balanced and unbalanced loads.

## General features

- Possibility to display system parameters
- Backlit LCD display with 3 numeric fields
- CT and VT ratios selectable directly via programming
- Resetting the active energy meter
- Reactive energy meter reset
- Backlight management: ON/OFF or timer-controlled
- Device for measuring:
  - Voltages (TRMS) (line and phase)
  - Currents (TRMS)
  - Active, reactive, apparent power
  - Active and reactive energy
  - Frequency
  - Power factor (cos φ)
  - Phase angle

## Technical specifications

| | |
|---|---|
| **Power supply** | |
| Power supply | 230 Vac (-15% ÷ +10%) |
| Frequency | 50 / 60 Hz |
| Absorption | 4 VA |
| **Measure** | |
| Current measurement accuracy | 0.5% of full scale<br>+ 1 digit |
| Voltage measurement accuracy | 0.5% of full scale<br>+ 1 digit |
| Frequency measurement accuracy | ± 1 Hz |
| Active energy measurement accuracy | Class 2 |
| Reactive energy measurement accuracy | Class 3 |

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.

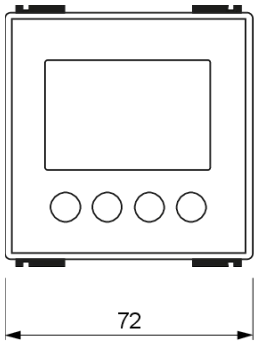


Revision date: 2026-02-02

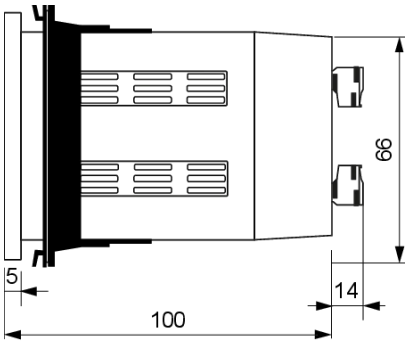
| | |
|---|---|
| **Measure** | |
| Active power measurement accuracy | 1% full scale<br>± 1 digit |
| AC current range | 1 ÷ 9999 A |
| AC voltage range | (direct entry) 550 V<br>(via TV) 9999 V |
| Type of insertion - current | Via external CT x/5 |
| Type of insertion - voltage | Direct<br>Via external TV x/230 |
| **Operating conditions** | |
| Operating temperature range | 0 ÷ 50 °C |
| Relative humidity | 10% ÷ 90% non-condensing RH |
| Storage temperature range | -25 ÷ 70 °C |
| **Viewing** | |
| Display | Backlit LCD |
| **Terminations** | |
| Termination type | Plug-in terminal block |
| Maximum cable cross-section | 2.5 mm² |
| **Mechanical features** | |
| Protection degree | IP54 |
| **Overall dimensions** | |
| Height (A) | 72 mm |
| Width (B) | 72 mm |
| Depth (C) | 114 mm |

## Dimensions

Front View




Side View





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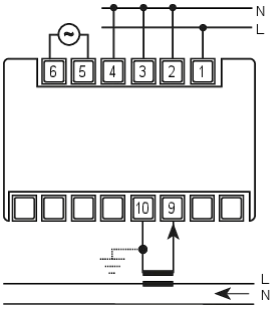
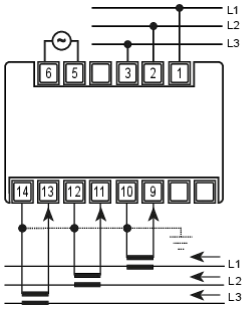
## Wiring diagram




Possibility to connect the CT secondaries to earth

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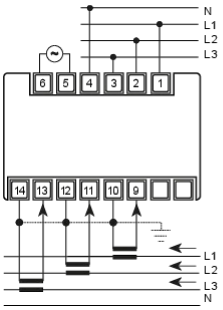
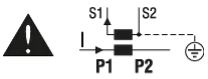



Possibility to connect the CT secondaries to earth

## Graphic details




Warning: the secondary circuits of current transformers can be connected to earth.

## Product variants

### ADR-R E Spot

VE279600

Panel-mounted network analyser, current input via 230 Vac CT.

## 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 61000-6-2 • EN IEC 61000-6-3 • EN IEC 62052-11 • EN IEC 62053-21 • EN IEC 62053-23 • EN IEC 63000**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