ADR-D 230 D22 Spot

VE008900



Single-phase DIN-rail network analyser (3 modules), 230 Vac supply, direct connection 22.5 A. Designed for TRMS measurement of electrical parameters in single-phase systems: voltage, current, active power, power factor, frequency, active energy.

General features

- Terminal block for load connection
- Green LED to indicate mains connection
- Key for page scrolling and basic settings
- Backlit display for visualisation of electrical quantities
- Measurement and display of single-phase system parameters: voltage, current, active power, power factor, frequency, active energy
- Power supply separate and independent from measurements
- Direct voltage conductor insertion
- Displaying via 5 + 7 digit LCD display
- Resettable partial energy meter
- Backlighting with timer or deactivation option
- Out-of-scale indication for voltages above 315 V
- Connection error signal

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	4 VA
Measure	
Voltage display resolution	0.1 V
Current display resolution	10 mA
Current measurement accuracy	± 0.3% ± 1 digit (f.s. 22.5 A)
Voltage measurement accuracy	± 0.5% of full scale ± 1 digit
Frequency measurement accuracy	± 0,1 Hz
Power factor measurement accuracy	± 1% ± 1 digit

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.

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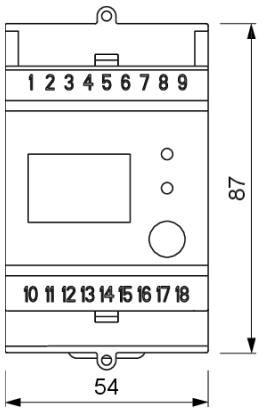
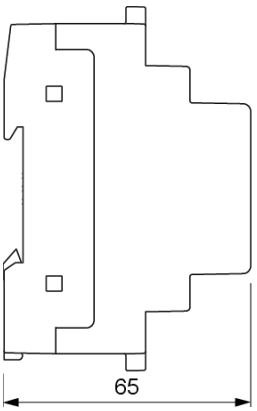
Measure	
Active power measurement accuracy	± 1% full scale ± 1 digit (f.s. 100 kW or 1000 kW)
AC current range	22.5 A
AC voltage range	300 V
Type of insertion - current	Direct
Type of insertion - voltage	Direct
Operating conditions	
Operating temperature range	-10 ÷ 45 °C
Relative humidity	20% ÷ 90% non-condensing RH
Storage temperature range	-25 ÷ 70 °C
Viewing	
Display	Backlit LCD
Digits number	5 + 7
Terminations	
Termination type	Terminal blocks
Maximum cable cross-section	(voltage input) 2.5 mm² (current input) 4 mm² 2.5 (RS485 output) mm²
Mechanical features	
Protection degree	IP20 IP51 (on the front)
Overall dimensions	
Height (A)	87 mm
Width (B)	54 mm
Depth (C)	65 mm

Dimensions

Front View



Side View



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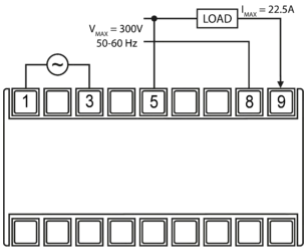
Wiring diagram



Product variants

ADR-D 230 D22 Modbus

VE009700

3-module DIN-rail network analyser, direct connection 22.5 A or via CT, RS-485, 230 Vac supply.

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 63000

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