Network analyzers

Network analyzers to monitor the main electrical measurements (TRMS) in single-phase or three-phase systems with or without neutral with balanced and unbalanced load.

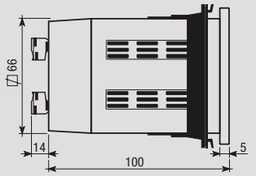
ADR-R
ADR-R E

- Instrument to measure:
  - Voltage (TRMS) (chained and phased)
  - Current (TRMS)
  - Active, reactive and apparent power
  - Active and reactive energy
  - Frequency
  - Power factor (cos φ)
  - Phase angle

DIMENSIONS (mm)

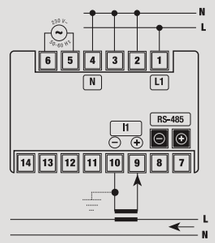
Front view

Side view

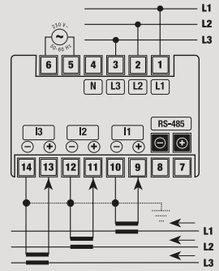


CONNECTION DIAGRAM

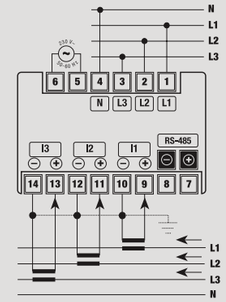
Diagram



AC
Single-phase



AC
Three-phase



AC
Three-phase + N

Attention: For the ADR-R E model the secondary circuits of the CT can not be earthed.

ADR THREE-PHASE WITH RS-485 SERIAL OUTPUT

- Possibility to view the system measurements and the maximum value recorded by the system measurement
- Storage of the peak values and related timing linked to the current timer
- Power supply: 230 V AC 50/60 Hz
- Backlit LCD display with 3 numeric fields
- CT and VT ratios selectable directly during programming
- Active energy meter zeroing
- Reactive energy meter zeroing
- ON/OFF or timed backlight management
- RS-485 output for data communication with the possibility to view and file the measurements (ADR-view)

Attention:
- Possibility of earthing the secondary ciruits of the CT (for ADR-R only)

Code	Model	Description
VN561700	ADR-R	Network analyzer with serial output RS-485
VE280400	ADR-R E	Uninsulated network analyzer with output RS-485

TECHNICAL INFORMATION

GENERAL CHARACTERISTICS

Power supply	V AC	230 (-15% ÷ +10%)
Frequency	Hz	50 / 60
Power consumption	VA	4
Display		LCD
Front protection degree	IP	54
Voltage precision		0.5% f.s. + 1 digit
Current precision		0.5% f.s. + 1 digit
Power precision		1% f.s. + 1 digit
Frequency precision	Hz	± 1
Active energy		Class 2
Reactive energy		Class 3

Operating temperature	°C	0 ÷ +50
Storage temperature	°C	-20 ÷ +60
Terminal		2.5 mm²
Case material		Class V0 complying with UL94 standard
Relative humidity		10 ÷ 90% noncondensing
Voltmetric input maximum voltage (direct connection)		550 V RMS (47 ÷ 63 Hz)
Transformation ratios		VT 1 ÷ 9999 V
		CT 1 ÷ 9999 A

REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low voltage) and 2004/108/EC (E.M.C.)
is declared with reference to the following standards: • Safety: EN 61010-1 • E.M. Compatibility: EN 61000-6-2 / EN 61000-6-4