

Multifunction AC voltmeters / ammeters

Multifunction electronic device that can be configured as voltmeter or ammeter for measuring the true effective value (TRMS) of voltages and alternate currents in single-phase systems.

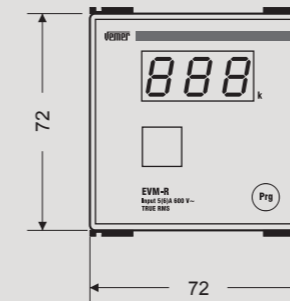


- 1 Normalized dimensions 72x72 mm
- 2 Reading: 14 mm 3 red digits display

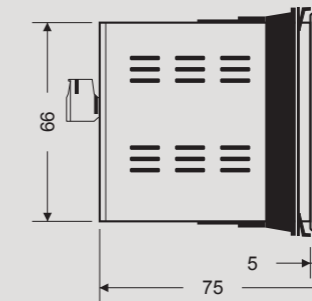
EVM-R

DIMENSIONS (mm)

Front view

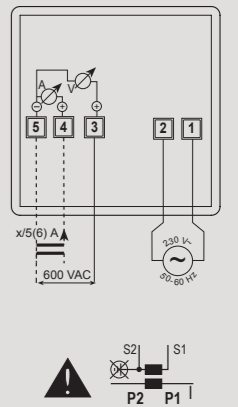


Side view



CONNECTION DIAGRAM

Diagram



MEASUREMENT AND CONTROL

TECHNICAL INFORMATION

TRMS MULTIFUNCTION AC VOLTMETER / AMMETER

- Multifunction instrument that can be used as Voltmeter or Ammeter depending on the type of connection.
- Direct connection voltmeter up to 600 V AC
- Ammeter with amperometric connection through TA x/5A from 5/5 to 4000/5 A:
 - from 5/5 to 1000/5 with increments of 5
 - from 1000/5 to 4000/5 with increments of 500
- Minimum measurable value: 3% of full scale
- Indication of values out of scale ("HHH")



GENERAL CHARACTERISTICS

| | | |
|--------------------------|------|------------------------|
| Power supply | V AC | 230 (-15% ÷ +10%) |
| Frequency | Hz | 50 / 60 |
| Absorption | VA | 4 |
| Display | | 14 mm 3 red digit |
| View | | Max 999 |
| Precision | | ±(0.5% f.s. + 1 digit) |
| Front protection degree | IP | 20/51 (on the front) |
| Minimum measurable value | | 3% of the full scale |

| | | |
|-----------------------|----|---|
| Terminal | | 2.5 mm ² plug-in terminal block |
| Operating temperature | °C | -10 ÷ +45 |
| Storage temperature | °C | -20 ÷ +70 |
| Humidity | | 10 ÷ 90% non condensing |

Voltmeter

| | | |
|---------------------------|---|----|
| Resolution | V | 1 |
| Measurable minimum signal | V | 10 |

Ammeter

| | | |
|---------------------------|----|----|
| Resolution | mA | 10 |
| Measurable minimum signal | mA | 20 |

REFERENCE STANDARDS

Compliance with Community Directives: 2014/35/EU (Low Voltage) and 2014/30/EU (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

| Code | Model | Description | Power supply | Capacity |
|----------|-------|------------------------------|--------------|---------------------|
| VM293800 | EVM-R | Multiscale voltmeter-ammeter | 230 V AC | 600 V / x/5 A on CT |