

THREE-PHASE DIGITAL AC CURRENT METER WITH RELAY OUTPUT DMC-R



The modular digital single and three phase metering instrument DMC-R for industrial and service fields warrant an extreme stability of the readouts owing to the large number of samplings. The measures in True RMS provide for a correct operation of current even in the presence of harmonics. On the led display it is possible to consult the current values of the three phases, the frequency, the maximum and minimum values of each phase and any faults. Furthermore, DMC-R AC current meter is equipped with programmable output relay to make the device suitable for multiple uses.

General specifications

- Standards: IEC 61000
- Supply voltage: $80 \div 270$ Vac/dc
- Power consumption: ≤ 5 VA
- Working frequency: 50/60 Hz
- Current Input: AC 5 A
- Current measuring range: $(1\% \sim 600\%) \times I_n$
- Current acquisition time: < 70 ms
- Current overload capacity: $1,2 \times I_n$
- Current overload peak for 1 second: $10 \times I_n$
- Relay contact type: 1NO / 1NC
- Relay contact capacity: AC 12 A / 250 V
- Dimensions: $96 \times 68,5 \times 49$ mm (W x D x H)
- Installation cutout: 91×44 mm
- Protection rating: IP54 (front panel), IP20 (back panel)
- Operating temperature: -40 °C $+70$ °C

THREE-PHASE DIGITAL AC VOLTAGE AND CURRENT METERS DMC-V3 AND DMC-C3



DMC-V3 and DMC-C3 ultra-thin AC electrical measurement meters are applied for voltage (DMC-V3) and current (DMC-C3) measurement in power distribution system.

Large LCD display allows you to easily view the three phases simultaneously.

Both meters support programmable transformation ratio and can be equipped with RS-485 communication port on request.

General specifications

- Standards: IEC 61000
- Accuracy: 0,5%
- Display data update time: 1 s
- Display: LCD
- Supply voltage: $80 \div 270$ Vac/dc
- Working frequency: 50/60 Hz
- Communication: RS-485 (on request)
- Dimension: $96 \times 34 \times 96$ mm (W x D x H)
- Installation cutout: 91×91 mm
- Protection rating: IP54 (front panel), IP20 (back panel)
- Operating temperature: -10 °C $+55$ °C

DMC-V3 (AC Voltage Meter) Specifications

- Voltage input: AC 100 V / 380 V
- Continuous voltage overload: $1,2 \times U_n$
- Instantaneous voltage overload: $2 \times U_n$, max 1 min
- Power consumption: $\leq 0,1$ VA

DMC-C3 (AC Current meter) Specifications

- Current input: AC 1 A / 5 A
- Continuous current overload: $2 \times I_n$
- Instantaneous current overload: $10 \times I_n$, max 5 sec
- Power consumption: $\leq 0,2$ VA