



CVM-C5-ITF-485-C, Power analyzer

Code: M55884. DESCATALOGADO

> Protocol: Modbus/RTU > Communications: RS-485

> Transistor output: 1

> Measuring current Channels: 3

> Input current: .../5 A | .../1 A

> Mounting: Pannel > Modules: 96 x 96

#### Description

The CVM-C5 is a panel mounted (96 x 96 mm) multimeter that records energy values. Compact and intuitive, with 4-quadrant measurement (Consumption and Generation). The CVM-C5 is suitable for Low Voltage installations, in both 3 and 4-wire three-phase circuits, two-phase circuits with or without neutral, singlephase circuits or ARON connections.

Display features and interface:

- O Quick display of parameters with a single button
- O Clearly displays the electric parameters of the installation
- O Displays the electricity consumption value according to the cost per kWh
- o kgCO2 consumption/generation indicator or according to the energy source
- o Backlit LCD screen
- Operating hour indicator for preventive maintenance.

#### Other features:

- o Modbus/RS-485 communications (optional)
- Measurement with CIRCUTOR's MC efficient current transformers or .../5 A, .../1 A or .../333 mV transformers.
- o 1 digital output (SO interface)
- o 1 digital input (tariff or energy source selection)
- o Maximum, minimum values and maximum demand

#### **Application**

- o Recording and displaying the consumption of energy from two different sources (network/generator set).
- o Generation of an impulse signal associated with the cost, kgCO2 emissions or savings, according to the consumption or generation of energy.
- o Generation of alarms with a transistor output; configurable parameters: Low/High, hysteresis (%), NO/NC, connection/disconnection delay and interlocking.







Multifunctional multimeter for panel

Code: M55884.

### **Specifications**

| AC power supply                          |  |
|--|--|
| Installation category                    | CAT III 300 V                                  |
| Consumption                              | 3.5 6 VA                                       |
| Frequency                                | 50 60 Hz                                       |
| Nominal voltage                          | 95 240 V ~ ± 10%                               |
| DC power supply                          |  |
| Installation category                    | CAT III 300 V                                  |
| Consumption                              | 2 6 W  |
| Nominal voltage                          | 105 272 Vdc ± 10%                              |
| Mechanical characteristics               |  |
| Size (mm) width x height x depth         | 96 x 96 x 60.9 (mm)                            |
| Envelope                                 | Self-extinguishing V0 plastic                  |
| Fastening                                | Panel  |
| Weight (kg)                              | 0,237  |
| Environmental characteristics            |  |
| Protection class                         | IP 51 (Front), IP 20 (rear)                    |
| Relative humidity (without condensation) | 595%   |
| Storage temperature                      | -10 +50 °C                                     |
| Working temperature                      | -5+45 °C                                       |
| Standards                                |  |
| Certifications                           | UL/CSA 61010-1 3rd edition                     |
| Electrical safety, Maximum height (m)    | 2000   |
| Standards                                | IEC 61010, UNE EN 61000-6-2, UNE EN 61000-6-4, |
| Current measurement circuit              |  |
| Installation category                    | CAT III 300 V                                  |
| Nominal current (In)                     | /5A ,/1 A                                      |
| Phase current measuring range            | 5110% In                                       |
| Maximum pulse current                    | 100 A  |
| Minimum current measurement              | 10 mA  |
| Voltage measurement circuit              |  |
| Installation category                    | CAT III 300 V                                  |
| Frequency measuring range                | 45 65 Hz                                       |
| Voltage measuring range                  | 5120% Un                                       |



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| Nominal voltage                        | 300V Ph-N, 520V Ph-Ph |
|--|-----------------------|
| Minimum measurement voltage (Vstart)   | 10 V Ph-N             |
| User interface                         |                       |
| Keyboard                               | 3 keys                |
| Display type                           | LCD                   |
| Visible display area size              | 60X54 mm              |
| Digital transistor outputs             |                       |
| Pulse width                            | 100 ms                |
| Quantity                               | 1                     |
| Туре                                   | NPN                   |
| Pulse output, time period (Ton / Toff) | 100 ms/100 ms         |
| Maximum frequency                      | 5 imp / s             |
| Maximum current                        | 50 mA                 |
| Maximum voltage                        | 24 Vdc                |
| Measurement accuracy                   |                       |
| Phase voltage measurement              | 0,50%                 |
| Serial communication                   |                       |
| Protocol                               | ModBus RTU            |
| Technology / Type                      | RS-485                |
|  |                       |

 $<sup>\</sup>mbox{4--quadrant}$  measuring unit. Can be used to program the voltage transformer ratio







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### **Dimensions**





