



## CVM-C5-MC-485-I

CVM-C5-MC-485-I

Code: M55895. DESCATALOGADO

- > Power analyzer
- > Protocol: Modbus/RTU
- > Communications: RS-485
- > Transistor output: 0
- > Digital inputs: 1
- > Measuring current Channels: 3
- > Input current: .../250 mA
- > Mounting: Pannel

### 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, single-phase circuits or ARON connections.

Display features and interface:

- Quick display of parameters with a single button
- Clearly displays the electric parameters of the installation
- Displays the electricity consumption value according to the cost per kWh
- kgCO<sub>2</sub> consumption/generation indicator or according to the energy source
- Backlit LCD screen
- Operating hour indicator for preventive maintenance.

Other features:

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

### Application

- Recording and displaying the consumption of energy from two different sources (network/generator set).
- Generation of an impulse signal associated with the cost, kgCO<sub>2</sub> emissions or savings, according to the consumption or generation of energy.
- Generation of alarms with a transistor output; configurable parameters: Low/High, hysteresis (%), NO/NC, connection/disconnection delay and interlocking.



# CVM-C5-MC-485-I

Multifunctional multimeter for panel

Code: M55895.

## Specifications

### AC power supply

|                       |               |
|-----------------------|---------------|
| Installation category | CAT III 300 V |
| Consumption           | 3.5 ... 6 VA  |

### 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 | 97 x 97 x 97 (mm)             |
| Envelope                         | Self-extinguishing V0 plastic |
| Weight (kg)                      | 0,354                         |

### Environmental characteristics

|                     |                             |
|---------------------|-----------------------------|
| Protection class    | IP 51 (Front), IP 20 (rear) |
| Working temperature | -5...+45 °C                 |

### Standards

|                |   |
|----------------|---|
| Certifications | UL/CSA 61010-1 3rd edition                    |
| Standards      | IEC 61010, UNE EN 61000-6-2, UNE EN 61000-6-4 |

### Voltage measurement circuit

|                 |                       |
|-----------------|-----------------------|
| Nominal voltage | 300V Ph-N, 520V Ph-Ph |
|-----------------|-----------------------|

### User interface

|                           |          |
|---------------------------|----------|
| Visible display area size | 60X54 mm |
|---------------------------|----------|

### Digital inputs

|                         |                        |
|-------------------------|------------------------|
| Input/output insulation | Optoisolated           |
| Type                    | Potential-free contact |

### Measurement accuracy

|                           |       |
|---------------------------|-------|
| Phase voltage measurement | 0,50% |
|---------------------------|-------|

### Serial communication

|                   |            |
|-------------------|------------|
| Protocol          | ModBus RTU |
| Technology / Type | RS-485     |



## CVM-C5-MC-485-I

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4-quadrant measuring unit. Can be used to program the voltage transformer ratio



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### Dimensions

