



CVM-C5-mV-485-I

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Code: M558950000V00 **DESCATALOGADO**

- > Power analyzer
- > Protocol: Modbus/RTU
- > Communications: RS-485
- > Transistor output: 0
- > Digital inputs: 1
- > Measuring current Channels: 3
- > Input current: .../333 mV
- > 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
- kgCO₂ 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, kgCO₂ 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.



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Multifunctional multimeter for panel

Code: M558950000V00

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% |

Environmental characteristics

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

Mechanical characteristics

| | |
|----------|-------------------------------|
| Envelope | Self-extinguishing V0 plastic |
|----------|-------------------------------|

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 | 1% |
|---------------------------|----|

Serial communication

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

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



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Dimensions

