

CVM-C5-mV-485-C

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Code: M558940000V00 **DESCATALOGADO**

> Power analyzer
> Protocol: Modbus/RTU
> Communications: RS-485
> Transistor output: 1
> Digital inputs: 0
> 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 (S0 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_2 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: M558940000V00

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)	0,354

Environmental characteristics

Protection class	IP 51 (Front), IP 20 (rear)
Relative humidity (without condensation)	5...95%
Storage temperature	-10... +50 °C
Operating 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)	.../0,333 A
Phase current measuring range	5...110% In
Maximum pulse current	1,2 In
Minimum current measurement	6,66 mV

Voltage measurement circuit

Installation category	CAT III 300 V
Frequency measuring range	45 ... 65 Hz
Voltage measuring range	5 ...120% 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
Type	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	1%

Serial communication

Protocol	ModBus RTU
Technology / Type	RS-485

CVM-C5
Power analyzer, panel mounted 96x96

CODE	TYPE	Input current	Transistor output	Digital inputs	Communications	Protocol
M55803.	CVM-C5-I-C					
M55823.	CVM-C5-MC-ITF-IC					
M55834.	CVM-C5-ITF-485-C					
M55853.	CVM-C5-IC	.../5 A | .../1 A	1	1		
M55873.	CVM-C5-MC-IC					
M55884.	CVM-C5-ITF-485-C	.../5 A | .../1 A	1		RS-485	Modbus/RTU
M55894.	CVM-C5-MC-485-C					
M558940000V00	CVM-C5-mV-485-C					
M55885.	CVM-C5-ITF-485-I	.../5 A | .../1 A		1	RS-485	Modbus/RTU
M55895.	CVM-C5-MC-485-I					
M558950000V00	CVM-C5-mV-485-I					



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

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Dimensions

