

CVM-C5-I-C

CVM-C5-I-C, Power analyzer

Code: M55803. **CONSULTAR DISPONIBILIDAD**

> 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, 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.

Creation date: 31/10/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



CVM-C5-I-C

Multifunctional multimeter for panel

Code: M55803.

Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	3.5 ... 6 VA
Frequency	47 ... 60 Hz
Nominal voltage	92 ... 240 V ~ ± 10%

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)
Relative humidity (without condensation)	5...95%
Storage temperature	-10... +50 °C
Working temperature	-5...+45 °C

Mechanical characteristics

Envelope	Self-extinguishing V0 plastic
Fastening	Panel
Weight (kg)	0,215

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	5...110% 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	5 ...120% Un
Nominal voltage	300V Ph-N, 520V Ph-Ph



CVM-C5-I-C

Multifunctional multimeter for panel

Code: M55803.

Minimum measurement voltage (Vstart)	10 V Ph-N

User interface

Keyboard	3 keys
Display type	LCD
Visible display area size	60X54 mm

Digital inputs

Input/output insulation	Optoisolated
Quantity	1
Type	Potential-free contact

Digital transistor outputs

Pulse width	100 ms
Quantity	1
Type	50 mA
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%

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

Creation date: 31/10/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

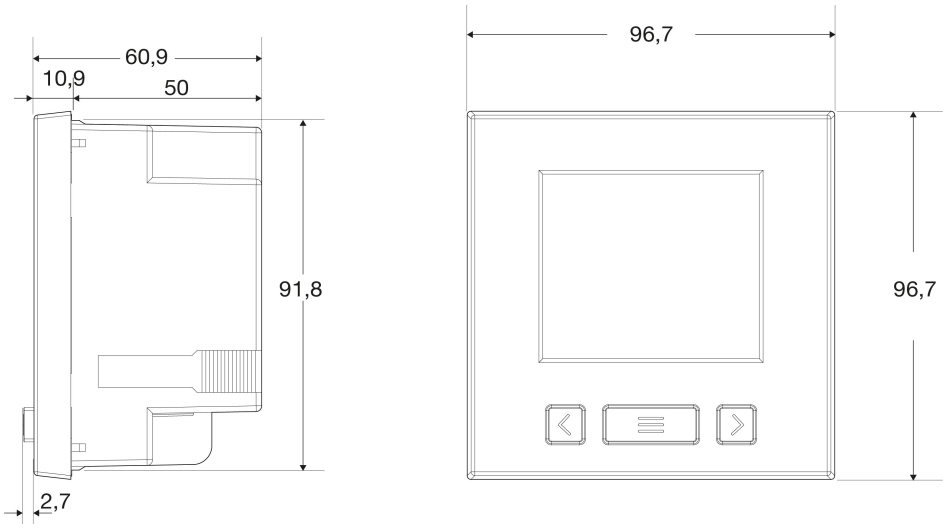


CVM-C5-I-C

Multifunctional multimeter for panel

Code: M55803.

Dimensions



Creation date: 31/10/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.