

# CVM-C5

## Multimeter analyzer for panels



### Description

The **CVM-C5** is a multifunctional multimeter for 96x96 mm panels with a compact energy log and four-quadrant measurement. Suitable for low-voltage installations in three-phase circuits with three or four wires, two-phase circuits with or without neutral or single-phase systems.

Display features and interface:

- Quick display of parameters with a single button
- Clearly displays the basic parameters of the installation
- Displays the electricity consumption value according to the cost per kWh
- KgCO<sub>2</sub> indicator in consumption/generation or according to the energy source.
- Backlit LCD screen

Other features:

- Measurement with **MC** efficient current transformers from **CIRCUTOR** or /5 A or /1 A transformers.
- 1 digital output (S0 interface)
- 1 digital input (tariff or energy source selection)
- Maximums, minimums and maximum demand.

### Applications

- Measurement in medium- and low-voltage installations
- Measurement in three-phase (three or four wires), two-phase (with or without neutral) and single-phase circuits

### Technical features

<b>Power circuit</b>	Input voltage	85-265 V <sub>AC</sub> / 95-300 V <sub>DC</sub>
<b>Measurement circuit</b>	Voltage	300 V AC p-n / 520 V AC p-p
	Frequency	50 / 60 Hz
	Current	<b>IC:</b> ... /5A & /1 A <b>IC-MC:</b> ... /250 mA
	ADC	64 samples/cycle FFT - 256 samples
<b>Accuracy class</b>	V, I, kW	<b>IC:</b> 0,5% <b>MC-IC:</b> 0,5% (without transformer)
	Energy	<b>IC:</b> 1% <b>MC-IC:</b> 1% (without transformer)
<b>Output</b>	1 digital output	S0 interface Up to 1000 impulses per kWh, kVAh, cost, KgCO <sub>2</sub> , hours per tariff, etc. (24 V DC max, 50 mA, 5 imp/s, Max Ton/Toff 100/100 ms)
<b>Input</b>	1 digital input	Tariff selection, NPN, optocoupled
<b>Build features</b>	Enclosure	VO self-extinguishing plastic
	Degree of protection	Embedded unit: IP 51 Terminals: IP 20
	Dimensions	96 x 96 x 60.9 mm
<b>Environmental conditions</b>	Operating temperature	-10 °C to +50 °C
	Relative humidity	5% to 95%
	Maximum altitude	2000 m
<b>Safety</b>	Class III according to <b>EN 61010</b> Protection against electric shock by double insulation Class II	
<b>Standards</b>	<b>IEC 664, VDE 0110, UL 94, IEC 801, IEC 348, IEC 571-1, EN 61000-6-3, EN 61000-6-1, EN 61010-1, EC, UL</b>	

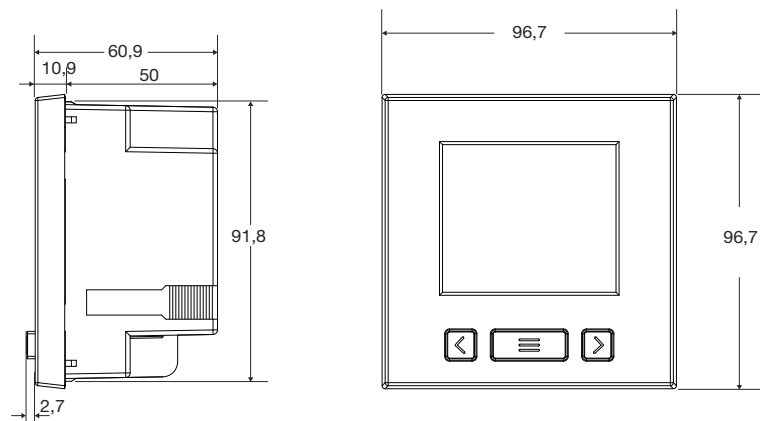
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### References

Current input	Input	Output	Type	Code
Shunt	1	1	CVM-C5-IC	M55803
/250 mA	1	1	CVM-C5-MC-IC	M55823

### Dimensions



### Connections

Three-phase connection + neutral

Single-phase connection

