



CVM-C5-MC-ITF-IC, Power analyzer

Code: M55823. 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, singlephase circuits or ARON connections.

Display features and interface:

- o Quick display of parameters with a single button
- o Clearly displays the electric parameters of the installation
- O Displays the electricity consumption value according to the cost per kWh
- o kgCO2 consumption/generation indicator or according to the energy source
- o 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.
- o 1 digital output (SO interface)
- $\circ$  1 digital input (tariff or energy source selection)
- o Maximum, minimum values and maximum demand.

#### **Application**

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







Multifunctional multimeter for panel

Code: M55823.

## **Specifications**

C power supply	
Installation category	CAT III 300 V
Consumption	3.5 6 VA
Frequency	48 60 Hz
Nominal voltage	93 240 V ~ ± 10%
DC power supply	
Installation category	CAT III 300 V
Consumption	2 6 W
Nominal voltage	105 272 Vdc ± 10%
invironmental characteristics	
Protection class	IP 51 (Front), IP 20 (rear)
Relative humidity (without condensation)	595%
Storage temperature	-10 +50 °C
Working temperature	-5+45 °C
Mechanical characteristics	
Envelope	Self-extinguishing V0 plastic
Fastening	Panel
Weight (kg)	0,213
itandards	
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)	/250A
Phase current measuring range	5110% In
Maximum pulse current	100 A
Minimum current measurement	0,25 A (MC1) / 0,12 A (MC3)
Oltage measurement circuit	
Installation category	CAT III 300 V
	45 65 Hz
Frequency measuring range	43 03 112
Frequency measuring range  Voltage measuring range	5120% Un



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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
Туре	Potential-free contact
Digital transistor outputs	
Pulse width	100 ms
Quantity	1
Туре	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%

 $<sup>\</sup>mbox{4--quadrant}$  measuring unit. Can be used to program the voltage transformer ratio







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### **Dimensions**





