

CVM-C10-ITF-485-ICT2

CVM-C10-ITF-485-ICT2, Power analyzer

Code: M55911. **CONSULTAR DISPONIBILIDAD**

> Protocol: Modbus RTU | BACnet
> Communications: RS-485
> Transistor output: 2
> N° relays: 2
> Digital inputs: 2
> Measuring current Channels: 3
> Harmonics: 31
> Input current: .../5 A | .../1 A
> Mounting: Pannel
> Modules: 96 x 96

Description

The **CVM-C10** is a panel mounted (96 x 96 mm) power analyzer that records energy values. Compact and versatile, with 4-quadrant measurement (consumption and generation). Suitable for Medium or Low voltage installations, in both 3 or 4-wire three-phase circuits,
two-phase circuits with or without neutral, single-phase circuits or ARON connections.

Display features and interface:

- Backlit touch-screen (capacitive)
- Analogue display of instantaneous parameters (power, maximum power reached and cos φ or PF)
- Backlit display
- Alarm LED indicator.
- Tariff cost
- Operating hour indicator for preventive maintenance

Application

- Record the energy consumption from three different sources: network, generator set or photovoltaic energy generation system.
- Generation of an impulse signal associated with the cost, kgCO_2 emissions or savings, according to the consumption or generation of energy.
- Selection of tariffs with digital inputs. Perfect to calculate costs in three different work shifts.
- Programs alarms on any instantaneous parameter measured or calculated. Configurable parameters: Low/High, hysteresis (%), NO/NC,
connection/disconnection delay and interlocking.

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Power analyzer for panel

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Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	4 ... 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)	0,314

Environmental characteristics

Protection class	IP 51 (Front), IP 64 (with accessory), IP 21 (rear)
Relative humidity (without condensation)	5 ... 95%
Storage temperature	-10... +65 °C
Working temperature	-10 ...+60 °C

Standards

Certifications	UL/CSA 61010-1 3rd edition, UL, VDE
Electrical safety, Maximum height (m)	2000
Standards	UNE EN 61010, UNE EN 61000-6-3, UNE EN 61000-6-1, IEC 664, VDE 0110, UL 94, BS EN 61000-6-2, BS EN 61000-6-4

Current measurement circuit

Installation category	CAT III 300 V
Nominal current (In)	.../5A , .../1 A
Phase current measuring range	2 ... 120% In
Maximum input current consumption	0,9VA
Maximum pulse current	100 A
Minimum current measurement	10 mA

Voltage measurement circuit

Installation category	CAT III 300 V

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Frequency measuring range	45 ... 65 Hz
Voltage measuring range	5 ...120% Un
Nominal voltage	300V Ph-N, 520V Ph-Ph
Minimum measurement voltage (Vstart)	15 V

User interface

LED	3 LED
Keyboard	3 keys
Display type	LCD Custom COG

Digital inputs

Input/output insulation	Optoisolated
Quantity	2
Type	NPN Potential-free contact

Digital relay outputs

Electrical life (at maximum load)	$60x10^3$ cycles
Mechanical life	$10x10^6$ cycles
Maximum switching capacity	1500 VA

Digital transistor outputs

Pulse width	30 ms a 500 ms (Programmable)
Quantity	2
Type	NPN salida
Maximum frequency	16 imp / s
Maximum current	50 mA
Maximum voltage	24 Vdc

Measurement accuracy

Phase voltage measurement	0.5% ± 1 digit

Serial communication

Protocol	ModBus/RTU, BACnet
Technology / Type	RS-485 / BACnet

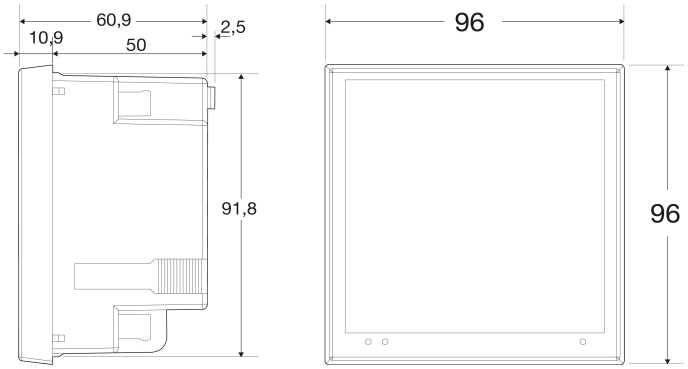


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Dimensions



Connections

