



CVM-C10-ITF-IN-485-IC2, Power analyzer

Code: M55942. CONSULTAR DISPONIBILIDAD

> Protocol: Modbus/RTU | BACnet

> Communications: RS-485

> N° relays: 2

> Digital inputs: 2

> Measuring current Channels: 4

> 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)
- $\circ$  Analogue display of instantaneous parameters (power, maximum power reached and cos  $\varphi$  or PF)
- o Backlit display
- o Alarm LED indicator.
- Tariff cost
- o 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<sub>2</sub> emissions or savings, according to the consumption or generation of energy.
- o 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.







Power analyzer for panel

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### **Specifications**

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)	0,322
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
Neutral current measurement	/5A ,/1 A
Phase current measuring range	2 120% In
Maximum input current consumption	0,9 VA
Maximum pulse current	100 A
Minimum current measurement	10 mA



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Installation category	CAT III 300 V
Frequency measuring range	45 65 Hz
Voltage measuring range	5120% 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
Туре	NPN Potential-free contact
Digital relay outputs	
Electrical life (at maximum load)	60x10 <sup>3</sup> cycles
Mechanical life	10x10 <sup>6</sup> cycles
Maximum switching capacity	1500 VA
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



