

## Technical features

Power Supply		85...265 V <sub>ac</sub> / 95...300 V <sub>dc</sub>
Measurement	Voltage	300 V <sub>ac,ph-n</sub> / 520 V <sub>ac,ph-ph</sub> 50...60 Hz
	Current	<b>ITF</b> ... /5 A and /1 A <b>MC</b> ... /250 mA
	Sampling rate	64 Samples/cycle
Accuracy	V, I, Power	0,5% (without CT)
	Energy	1% (without CT)
Energy measure	Full scale per phase	1000 MWh
	Full scale total	10000 MWh
Communications	Protocol	RS-485 Modbus/RTU (A(+)& B(-))
	Speed (bauds)	9600, 19200, 38400
	Bit, parity, stop	8, n, 1 Configurable
Outputs	2 built-in digital outputs	S0 interface Configurable to 1000 impulses by kWh, kVarh, etc. 2 NPN Transistors (24 V <sub>dc</sub> max, 50 mA, 5 imp/s, Max T <sub>on</sub> /T <sub>off</sub> configurable)
	2 built-in relay outputs	Max / Min / NO/NC / Hysteresis / Latch 250 V <sub>ac</sub> , 6 A
Inputs	2 built-in digital inputs	Tariff selection or external alarms NPN, optoinsulated
Security	Protection Degree	Frontal Protection IP 65
		Class III category / <b>EN 61010</b> Double-insulated electric shock protection class II
Standards		<b>IEC 61000, IEC 61000-4-3, IEC 610004-11, IEC 61000-4-4, IEC 610004-5</b> , Measure according to <b>MID</b> , according to <b>UL</b>

# CVM-C10

## Compact & versatile Power Analyzer

*The new generation of CVM*



## References

Type	Code	Current measurement channels	Current input
CVM-C10-ITF-485-ICT2	M55911	3	/5 or /1 A
CVM-C10-MC-485-ICT2	M55921	3	/250 mA
CVM-C10-ITF-IN-485-IC2	M55942	4	/5 or /1 A

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Technology for energy efficiency

# CVM-C10

## Compact & versatile Power Analyzer (96 x 96 mm)

- ✓ Measure in Single-phase, bi-phase (2-3 wires) and three-phase (3-4 wires) networks
- ✓ 4-Quadrant measurement for consumption and generation in the same measurement point
- ✓ High IP protection (Frontal IP65)
- ✓ Measurements taken with the efficient transformers of **CIRCUTOR'S MC** range or /5 A or /1 A transformers
- ✓ 2 built-in digital outputs (S0 Interface or alarms)
- ✓ 2 built-in digital outputs by relay
- ✓ 2 built-in digital inputs (tariff selection or external alarms)
- ✓ RS-485 Modbus/RTU Communications

## New Redesigned interface

- Backlight touch keyboard
- Analog visualizations for instantaneous parameters (Power, MaxPower reach and Cos $\phi$  or PF)
- Backlight display

