

Technical features

Power circuit	Power supply voltage	85...265 Vac / 95...300 Vdc 20...120 Vd.c. (SDC model)
Measurement circuit	Voltage	300 V AC p-n / 520 V AC p-p
	Frequency	50...60 Hz
	Current	ITF ... /5 A or .../1 A, MC .../250 mA, .../333 mV
	Sampling	64 samples/cycle
Accuracy class	V, A, Power	0.5%
	Active Energy	/ < 0,1 I _n (Class 1)
	Reactive Energy	/ > 0,1 I _n (Class 0,5)
Display of harmonics, up to the	V, A	31 st
Communications	Protocol	Modbus/RTU / BACnet (RS-485)
	Speed	9600, 19200
	Bit, parity, stop	8, n, 1
Outputs	2 digital outputs	OS Interface Configurable, up to 1000 impulses 2 NPN Transistors (Only in version 3 TS) (24 Vdc max, 50 mA, 5 imp/s, Max T _{on} /T _{off} configurable)
	2 relay outputs	Max. / Min / NO/NC / Hysteresis / Interlocking 250 Vac, 6 A
Inputs	2 digital inputs	Tariff selection or external alarms NPN, optocoupled
Build features	Enclosure	VO self-extinguishing plastic
	Protection Degree	Front panel: IP 51 (IP 64 with accessory) Rear: IP 31
	Dimensions	96.7 x 96.7 x 63.4 mm
Environmental conditions	Operating temperature	-5...+45 °C
	Relative humidity	5 ... 95%
	Maximum altitude	2000 m
Safety	Class III according to EN 61010 Double-insulated electric shock protection, Class II	
Standards	BS EN 61000-6-4, BS EN-61000-6-2, IEC 61000-6-2, IEC 61000, IEC 61000-4-3, IEC 610004-11, IEC 61000-4-4, IEC 610004-5, Measurement according to MID, UL certification	

References

Transistor output	Current measure- ment channels	Current input	Type	Code
2	3	.../5 o .../1 A	CVM-C10-ITF-485-ICT2	M55911
2	3	.../250 mA	CVM-C10-MC-485-ICT2	M55921
-	4	.../5 o .../1 A	CVM-C10-ITF-IN-485-IC2	M55942
2	2	.../333 mV	CVM-C10-mV-485-ICT2	M559210000V
2	3	.../5 o .../1 A	CVM-C10-SDC-ITF-485-ICT2*	M5591100F0000
IP 64 sealing joint			IP64-C10-96	M5ZZ5T

* Power Supply 20...120 Vdc

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Code: C2M5E3-02

m Measurement and Control

CVM-C10
Compact & versatile
Power Analyzer

The new generation of CVM



CIRCUTOR
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 **IP 64** with accesory)
- ✓ 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

