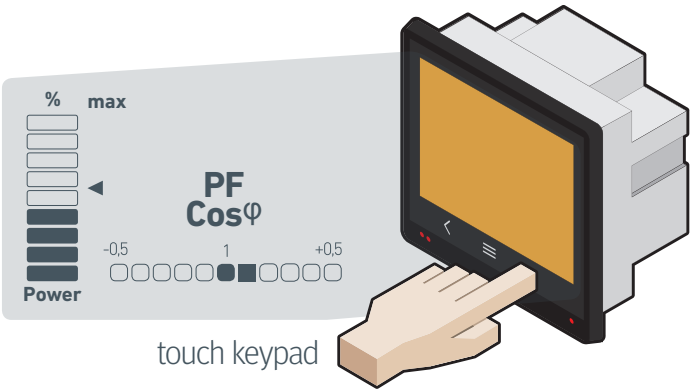


New interface redesigned

- › Backlit keypad (capacitive)
- › Analogue display for instantaneous parameters (power, maximum power reached and Cos φ or PF)
- › Backlit display
- › Alarm LED indicator



General features

LCD display

96x96 mm Panel

2 input

Modbus RTU

RS 485

Power Studio compatible

Technical features

Power supply	Power supply voltage	85...265 V _{ac} / 95...300 V _{dc} / 20...120 V _{dc} (SDC model)
Measurement circuit	Voltage	300 V _{ac} f-n / 520 V _{ac} f-f
	Frequency	50...60 Hz
	Current	ITF ... /5 A or .../1 A, MC ... /250 mA, .../333 mV (acc. to type)
	Sampling	64 samples/cycle
Accuracy class	V, A, power	0.5 % ±1 digit
	Active energy	< 0.1 I _n (Class 1)
	Reactive energy	> 0.1 I _n (Class 0.5)
Harmonics	V, A	31st
Communications	Protocol	Modbus/RTU / BACnet (RS-485)
	Speed	9600, 19200
	Bit, parity, stop	8, n, 1
Outputs (only CVM-C10)	2 digital outputs	OS interface Configurable up to 1000 impulses 2 NPN transistors (Only 3 TS version) (24 Vdc max, 50 mA, 5 imp/s, Max T _{off} /T _{on} configurable) Max / Min / No/NC / Hysteresis / interlocking 250 V _{ac} , 6 A
	2 relay outputs	
Inputs	2 digital inputs	Tariff selection or external alarms NPN, optocoupled
Build	Enclosure	V0 self-extinguishing plastic
features	Protection degree	Front panel: IP 51 (IP 64 with accessory) / Rear: IP 31
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

Digital output	Current measure channels	Current input	Type	Code
2	3	.../5 or .../1 A	CVM-C10-ITF-485-ICT2	M55911
2	3	.../250 mA	CVM-C10-MC-485-ICT2	M55921
-	4	.../5 or .../1 A	CVM-C10-ITF-IN-485-IC2	M55942
2	2	.../ 333 mV	CVM-C10-mV-485-ICT2	M559210000V
2	3	.../5 or .../1 A	CVM-C10-SDC-ITF-485-ICT2*	M5591100F0000
Sealing Joint accessory for IP 64			IP64-C10-96	M5ZZ5T

* Power Supply 20...120 Vcc

Power supply	Type	Code
85...265 Vac / 95...300 Vdc	CVM-C10-FLEX-IN-485-I2	M55963
20...120 Vdc	CVM-C10-SDC-FLEX-IN-485-I2	M5596300F0000

Scale	Length	Diameter	Sensitivity	Full scale	Type	Code
Config.	2 m	Ø 70 mm	1000 A / 100 mV	2000 A	FLEX-MAG70	M818110041500
Config.	2 m	Ø 120 mm	1000 A / 100 mV	2000 A	FLEX-MAG120	M818120041500



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Code: C2M5E3-03



CVM-C10

Compact & versatile power analyzers

The CVM is now more



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Technology for energy efficiency



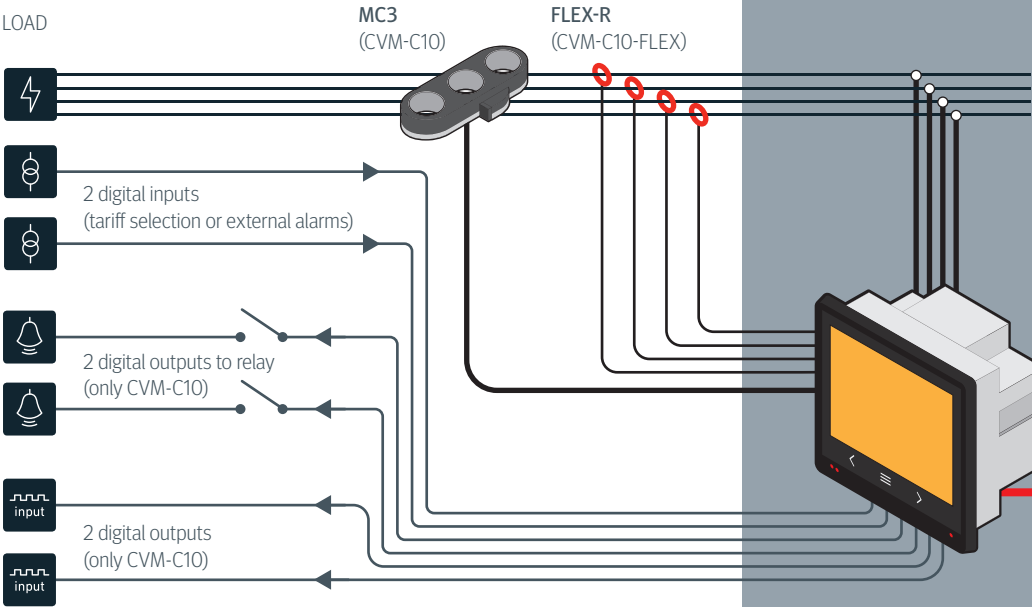
CVM-C10

Compact & versatile power analyzers.



The **CVM-C10** is a panel-mounted power analyzer with an energy log. The main features of this system are:

- › Measurements on single-phase, two-phase (2-3 wire) and three-phase (3-4 wire) networks
- › 4-quadrant measurement for consumption and generation in a single measuring point
- › High protection degree (IP 64 front panel with accessory)
- › Measurements using CIRCUTOR's **MC** efficient current transformers or .../5 A or .../1 A transformers
- › 2 digital outputs to transistor (OS interface or alarms)
- › 2 relay outputs
- › 2 digital inputs (tariff selection or external alarms)
- › RS-485 communications Modbus/RTU



CVM-C10-FLEX

Compact & versatile power analyzer with flexible Rogowski sensors.



The **CVM-C10** is a panel-mounted power analyzer with an energy log. The **CVM-C10-Flex** calculates the sensitivity of the measurement range scale automatically, according to the nominal value of the current it detects, up to a full scale of 2000 A. The main features of this system are:

- › Measurements on single-phase, two-phase (2-3 wire) and three-phase (3-4 wire) networks
- › 4-quadrant measurement for consumption and generation in a single measuring point
- › High protection degree (IP 64 front panel with accessory)
- › Measures current with flexible Rogowski sensors.
- › 2 digital inputs (tariff selection or external alarms)
- › RS-485 communications Modbus/RTU



FLEX-MAG

Flexible Rogowski sensors for CVM-C10-FLEX



These sensors are robust and can withstand handling during installation and uninstallation, as they have quick locks.

Quick installation on the distribution panels or switchboards of the unit, thanks to its flexible current sensors. Self-adjustment of the scale sensitivity. Does not require the current primary to be programmed. Remote correction of connection errors via communication systems (PowerStudio).

Technical features of flexible sensors

Electrical features	Standard output voltage	100 μ V/A @50 Hz
	Frequency Range	50...60 Hz
	Precision	\pm 1% of the range
	Linearity (10...100%)	\pm 0.2%
	Max. temperature coefficient	\pm 0.05%
	Position sensitivity (cable joint)	\pm 3%
Electrical Safety	Sensitivity to external fields	\pm 2%
	Insulation	Double insulation
	Protection class	II IEC/EN 61010-1:2001
	Overvoltage category	1000V CAT III / 600V CAT IV
	Contamination level	2
	Dielectric rigidity	IEC/EN 61010-2-32:2002, 5.4k V 50 Hz
Build features	Probe material	Self-extinguishing UNE 21031 90 °C
	Material coupling elements	PA V-0
	Probe cable diameter	8 mm
	Output cable length	2 m
	Temperature Range	-20...85 °C
	Storage temperature	-40...85 °C
	Relative humidity	15...85 % (non-condensing)
	Protection degree	IP 54