

Technical features

Power circuit	Power supply voltage	85-265 Vac / 50...60 Hz 95-300 Vdc
Measurement circuit	Voltage	300 Vac p-n / 520 Vac p-p
	Frequency	45 ... 65 Hz
	Current	.../5 A or .../1 A, MC : .../250 mA, .../333 mV
	Sampling	32 samples/cycle
Accuracy class	V, A	0,5%
	Power / Energy	1%
Output	1 digital output	S0 interface Configurable, up to 1,000 impulses per kW-h, kvar-h, etc. (24 Vdc max., 50 mA, 5 imp/s, Configurable Max. T _{on} /T _{off})
Input	1 digital input	Tariff selection, NPN, optocoupled
Communications	Protocol	RS-485 Modbus/RTU (depending on model)
	Speed	9600, 19200, 38400
	Bit, parity, stop	8, n, 1
	Enclosure	V0 self-extinguishing plastic
Build features	IP protection degree	Front panel: IP 51 Rear: IP 31
	Dimensions	96,7 x 96,7 x 62,60 mm
	Working temperature	-5...+45 °C
Environmental conditions	Relative humidity	5 ... 95%
	Maximum altitude	2000 m
Safety	Class III according to EN 61010	
	Double-insulated electric shock protection, Class II	
Standards	IEC 664, VDE 0110, UL 94, IEC 801, IEC 348, IEC 571-1, EN 61000-6-3, EN 61000-6-1, EN 61010-1, CE, UL certified	

References

Entrée de courant	Entrée	Sortie	Communication	Type	Code
.../5 A, .../1 A	1	1	-	CVM-C5-IC	M55853
.../250 mA	1	1	-	CVM-C5-MC-IC	M55873
.../333 mV	1	1	-	CMV-C5-mV-IC	M558730000V00
.../5 A, .../1 A	-	1	RS-485	CVM-C5-ITF-485-C	M55884
.../5 A, .../1 A	1	-	RS-485	CVM-C5-ITF-485-I	M55885
.../250 mA	-	1	RS-485	CVM-C5-MC-485-C	M55894
.../250 mA	1	-	RS-485	CVM-C5-MC-485-I	M55895
.../333 mV	-	1	RS-485	CVM-C5-mV-485-C	M558940000V00
.../333 mV	1	-	RS-485	CVM-C5-mV-485-I	M558950000V00

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Designed by Communication Dept. - CIRCUTOR, SA.

Code: C2M5D3-02

Measurement and Control

CVM-C5

Basic & affordable
multifunction Multimeter

The new generation of CVM

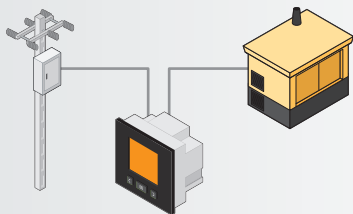


CIRCUTOR
Technology for energy efficiency

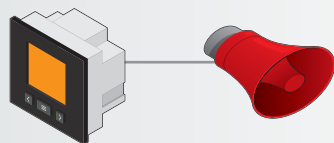
CVM-C5

Basic & affordable multifunction Multimeter (96 x 96 mm)

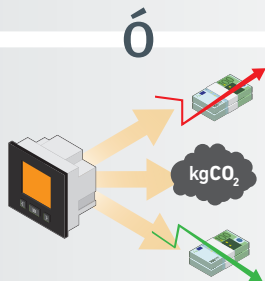
- ✓ Suitable for Low Voltage installations
- ✓ Measures in Single-phase, Bi-phase (2-3 wires) and Three-phase (3 or 4 wires) networks
- ✓ 4 Quadrant measurement
- ✓ Measurements taken with /5 A or /1 A transformers or the efficient transformers of **CIRCUTOR's MC** range
- ✓ 1 built-in digital output (S0 Interface)
- ✓ 1 built-in digital inputs (tariff selection) or load type
- ✓ Maximum, Minimum values and Maximum demand.



Get the **Energy consumption or generation from two different sources** (Main network/generator) and see it over the screen.



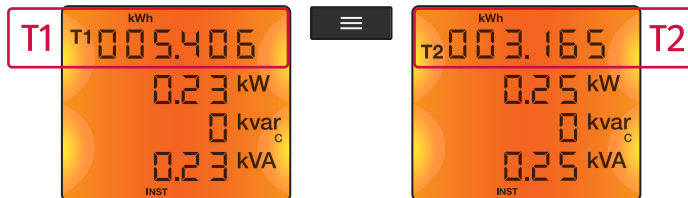
Setup an **alarm** by a **configurable transistor output** parameter, Low/High value, Hysteresis (%), NO/NC, delays to connection/disconnection and Latch.



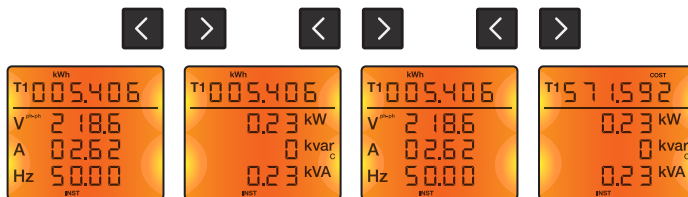
Generating a impulse signal related to the **cost, kgCO₂ emissions or savings** according the consumption or generation electricity.

Screen Data System

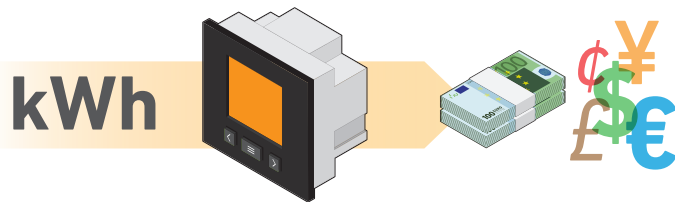
Quick monitoring parameters with a single button.



Shows clearly the **basic parameters** of an electrical installation.



Displays **cost of energy consumption** by configuring the kWh cost ratio.



Displays **KgCO₂ indicator** in consumption/generation according the energy nature, using the ratio established of the energy mix in the country.

