



CVM-D50-FLEX, Three-phase power analyser with DIN-rail memory

Code: M56590.

> Protocol: Modbus/TCP

> Memory: Yes

> Communications: Ethernet | Wi-Fi

> Harmonics: 31

> Power supply: 90...264 Vac/Vdc > Input current: Rogowski > Mounting: DIN rail

Description

Three-phase power analyzer (balanced and unbalanced) for assembly on DIN rail, very small, with 4-quadrant measurements and integrated memory for data logging.

Main features include:

- Current measurement (depending on model) .../5 or.../1 A or.../250 mA or Rogowski-type sensors.
- · Wi-Fi and Ethernet communications (Modbus TCP/IP).
- · Integrated memory.
- $\boldsymbol{\cdot}$ With web Server to view, configure and download data.
- · Compatible with the MyConfig app.
- · Sealable with terminal cover.
- Display of THD% and up to the 31st harmonic (V, A).
- DIN rail format just 3 modules wide.
- · High-contrast backlit display.
- 72 x 72 mm panel mount with front adapter

Application

- · Control application in distribution panels and low- and medium-voltage connections where an analyzer has to be installed on the DIN rail due to space constraints.
- · Alarm control: Maximum value, minimum, delay and programmable interlocking.
- · Logging of active or capacitive and inductive reactive energy.
- \cdot Capture and storage of instantaneous, maximum and minimum data of the electrical parameters measured.







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Specifications

AC power supply	
Installation category	CAT III 300 V
Consumption	3 4 VA
Frequency	5060 Hz
Nominal voltage	100 240 V~ ± 10 %
DC power supply	
Consumption	1,8 2 W
Nominal voltage	100 240 Vd.c. ± 10 %
Mechanical characteristics	
Size (mm) width x height x depth	52.5 x 118 x 74 (mm)
Envelope	Self-extinguishing V0 plastic
Fastening	DIN rail
Weight (kg)	0,274
Environmental characteristics	
Protection class	IP 30 / Front: IP 40 IK08
Relative humidity (without condensation)	595%
Storage temperature	-30 +80 °C
Working temperature	-10 +50 °C
Current measurement circuit	
Installation category	CAT III 300 V
Nominal current (In)	1000 A / 100 mV ~
Phase current measuring range	10120% In
Maximum input current consumption	0,9 VA
Minimum current measurement	20 A / 2 mV
Voltage measurement circuit	
Installation category	CAT III 300 V
Input impedance	400 kΩ
Frequency measuring range	4565 Hz
Nominal voltage	230V Ph-N, 400V Ph-Ph
Minimum measurement voltage (Vstart)	11,5 V Ph-N
Communication Network	
Protocol	Modbus TCP - Web server
Technology / Interface	Ethernet







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Standards

Electrical safety, Maximum height (m)	2000
Electrical safety, Contamination level/class	2
Standards	IEC/EN 61010-1; IEC/EN 61010-2-030; UNE-EN 55016-2-1; UNE-EN 61000-4-2; UNE-EN 61000-4-20; UNE-EN 61000-4-4; UNE-EN 61000-4-5; UNE-EN 61000-4-6; UNE-EN 61000-4-8; UNE-EN IEC 61000-4-11; UNE-EN 61000-4-3; ETSI-EN 301 489-1 Ver. 2.1.1; ETSI-EN 301 489-17 Ver. 3.1.1; UNE-EN 60068-2-1; UNE-EN 60068-2-2:2008; UNE-EN 60068-2-78; IEC 61557-12
User interface	
Keyboard	3 keys
Display type	LCD Custom COG
Measurement accuracy	
Frequency measurement	0,50%
Phase current measurement	0,5% ± 1 digit (10 120% In)
Active power measurement (kW)	1 % ±2 digit
Phase voltage measurement	0.5% ± 1 digit (5 120 % Un)
Wireless communication	
Band	Wi-Fi (2.4 2.5 GHz.)
Technology / Type	Wi-Fi, IEEE 802.11 b/g, IEEE 802.11 n (Up 150 Mbps)

CVM-D50

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CODE	TYPE	Power supply	Input current	Communications	Protocol	Harmonics	Memory
M56570.	CVM-D50-ITF	90264 Vac/Vdc	/5 A /1 A	Ethernet Wi-Fi	Modbus/TCP	31	Yes
M56580.	CVM-D50-MC	90264 Vac/Vdc	/250 mA	Ethernet Wi-Fi	Modbus/TCP	31	Yes
M56590.	CVM-D50-FLEX	90264 Vac/Vdc	Rogowski	Ethernet Wi-Fi	Modbus/TCP	31	Yes

It has a free configuration App (MyConfig) and WebServer for configuration, visualization and data download







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Dimensions

Connections

3-wire three-phase network RED trifásica - 3 hilos





