



CVM-E3-MINI-FLEX-WiEth, DIN rail three-phase power analyser

Code: M56490.

> Protocol: Modbus/TCP

> Communications: Ethernet | Wi-Fi

> Harmonics: 31

> Power supply (Vac): 90...264 Vac/Vdc

> Input current: Rogowski

> Mounting: DIN rail

#### Description

Three-phase electrical network analyser (balanced and unbalanced) for DIN rail mounting and panel option with 72x72 adapter, with measurements in 4 quadrants.

Other features are:

- o Current measurement with ITF measuring transformers .../5 A,.../1A, MC transformers .../250 mA and FLEX-MAG clamps, according to type
- o With ITF technology: ITF galvanic insulation protection
- O DIN rail format with only 3 modules
- o High contrast backlit display
- o 72x72 mm panel mounting with front adapter
- o Ethernet, Wi-Fi communications
- $\circ$  Configuration of communications on the App (MyConfig) and on the website.
- Sealable terminal cover
- Display of voltage and current harmonics up to 31°

#### **Application**

- o Control application in switchboards and low and medium voltage connections where there is a need for an analyser on the DIN rail.
- o Instantaneous data capture, maximum and minimum levels of electrical parameters measured.
- o Installation with Ethernet cable (RJ-45)
- o Installation without the need for communications wiring in facilities that have a Wi-Fi network.







Three-phase power analyzer for DIN rail, Wi-Fi

Code: M56490.

### **Specifications**

AC power supply	
Installation category	CAT III 300 V
Consumption	3,5 VA
Frequency	5060 Hz
Nominal voltage	207253 Vc.a.
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)	0,25
Environmental characteristics	
Protection class	IP 30 / Front: IP 40
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)	/ 100 mV ~
Phase current measuring range	2120% In
Maximum input current consumption	0,9 VA
Maximum current	1200 A / 120 mV
Minimum current measurement	20 A / 2 mA
Voltage measurement circuit	
Installation category	CAT III 300 V
Input impedance	400 kΩ
Frequency measuring range	4565 Hz
Nominal voltage	300V Ph-N, 520V Ph-Ph
Minimum measurement voltage (Vstart)	11 V Ph-N
Communication Network	
Protocol	ModBus TCP/IP
Technology / Interface	Ethernet
Standards	
Electrical safety, Maximum height (m)	2000







Three-phase power analyzer for DIN rail, Wi-Fi

Code: M56490.

Standards	IEC 61010-1. IEC 61010-2-030. IEC 61326-1. IEC 61557-12 . UL94

#### User interface

LED	2 LED
Keyboard	3 keys
Display type	LCD Custom COG

#### Measurement accuracy

Frequency measurement	0.5 %
Phase current measurement	0,5% ± 1 digit
Reactive power measurement (kvar)	2 % ±2 digits
Apparent power measurement (kVA)	1 % ±2 digits
Active power measurement (kW)	1 % ±2 digits
Phase voltage measurement	0.5% ± 1 digit

#### Wireless communication

Band	802.11 b/g/n (2.4 GHz.)
Technology / Type	Wi-Fi

#### CVM-E3-MINI-WiEth

Power analyzer, three-phase DIN rail, wi-fi

CODE	TYPE	Input current	Communications	Protocol
M56470.	CVM-E3-MINI-ITF-WiEth	/5 A  /1 A	Ethernet   Wi-Fi	Modbus/TCP
M56480.	CVM-E3-MINI-MC-WiEth	/250 mA	Ethernet   Wi-Fi	Modbus/TCP
M56490.	CVM-E3-MINI-FLEX-WiEth	Rogowski	Ethernet   Wi-Fi	Modbus/TCP

<sup>&</sup>quot;Built-in wireless communication on all WiEth models for configuration via free app (MyConfig) RS-485 models, possibility of switching power supply Consult additional benefits"







Three-phase power analyzer for DIN rail, Wi-Fi

Code: M56490.

Connections Dimensions



