



CVM-A1500-FLEX-485-ICT2

CVM-A1500-FLEX-485-ICT2, Power quality analyzers with recording of quality events and transients in accordance with (IEC 61000-4-30 Ed.2) Class A

Code: M56351.

- > Protocol: Modbus/RTU | BACnet | webserver (HTTP) | XML | HTML5
- > Memory: 200 MB
- > Memory: Yes
- > Events / Waveform: Yes
- > Certification: -
- > Energy accuracy: 1
- > Communications: RS-485 | Ethernet
- > Transistor output: 2
- > N° relays: 2
- > Digital inputs: 2
- > Harmonics: 63
- > Input current: Rogowski
- > Mounting: Pannel
- > Modules: 144 x 144

Specifications

AC power supply

Installation category	CAT III 300 V
Consumption	15 ... 22 VA
Frequency	45 ... 65Hz
Nominal voltage	100...240 V ~

DC power supply

Installation category	CAT III 300 V
Consumption	8 ... 10 W
Nominal voltage	120 ... 300 Vdc

Mechanical characteristics

Size (mm) width x height x depth	144.7 x 144.7 x 131.1 (mm)
Fastening	Pannel (DIN43700) 138x138
Weight (kg)	0,752

Environmental characteristics

Relative humidity (without condensation)	5 ... 95%
Storage temperature	-20... +80 °C
Working temperature	-10 ... +50 °C

Standards

Certifications	CSA 61010-1 3rd edition
Electrical safety, Maximum height (m)	2000
Standards	UNE EN 61000-6-4, UNE EN 61000-6-2, IEC 60664-1, CAN/CSA-22.2 No. 61010-1 3rd. Edition 2012-05, IEC 61010-2-030, Measures according to : IEC 61557-12



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Power analyzer for panel with power quality measurement parameters

Code: M56351.

Current measurement circuit

Installation category	CAT III 600 V
Nominal current (In)	1000 / 100 mV ~
Phase current measuring range	10 ... 120 % In
Minimum current measurement	10 A

Voltage measurement circuit

Installation category	CAT III 600V
Sampling frequency	40...70 Hz
Input impedance	1.2MΩ
Frequency measuring range	40...70 Hz
Voltage measuring range	40...70 Hz
Maximum input voltage consumption	0,15VA
Minimum measurement voltage (Vstart)	10 V~

Communications

Fieldbus (BACnet)	MS/TP
Fieldbus (ModBus)	RS-485 / RTU
Protocol	ModBus/BACnet
Speed	9600-19200-38400-57600-76800-115200

User interface

LED	3 LED
Resolution of the display	VGA (640x480)
Keyboard	Capacitive, 3 keys
Display type	TFT color

Digital inputs

Input/output insulation	4 kV
Quantity	2
Type	Potential-free contact
Maximum short-circuit current	5 mA
Maximum open circuit voltage	15 Vdc

Digital relay outputs

Electrical life (at maximum load)	3x10 ⁶ cycles
Mechanical life	1x10 ⁷ cycles
Maximum switching capacity	1500 VA



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Digital transistor outputs

Pulse width

1 ms



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Quantity	2
Pulse output, time period (Ton / Toff)	0,3 ms / 0,7 ms
Maximum frequency	1 kHz
Maximum current	130mA
Maximum voltage	48 Vdc

Measurement accuracy

Voltage asymmetry (Ka)	Class A (IEC 61000-4-30)
Voltage unbalance (Kd)	class A (IEC 61000-4-30)
Frequency measurement	Class 0.02
Phase current measurement	Class 0.2 ±1 digit
Reactive power measurement (kvar)	(Vn 230/110 Vac) 2 ± 2 digit
Apparent power measurement (kVA)	(Vn 230/110 Vac) 1 ± 2 digit
Active power measurement (kW)	(Vn 230/110 Vac) 1 ± 2 digit
Voltage THD	Class 1
Phase voltage measurement	Class 0.5 ±1 digit (55...500 V~)
Neutral voltage measurement	Class 0.5 ±1 digit (55...500 V~)
Pinst. Flicker	3 % (IEC 61000-4-15)
Pst Flicker	5 % (0,2...10 Pst) (IEC 61000-4-15)
Voltage harmonics (THD)	Class 1

CVM-A

CODE	TYPE	Energy accuracy	Input current	Certification	Communications
M563110000A00	CVM-A1500A-ITF-485-ICT2	0,2S (.../5A)	.../5 A .../1 A 250 mA	IEC 61000-4-30 (Class A)	RS-485 Ethernet
M563510000A00	CVM-A1500A-FLEX-485-ICT2	1	Rogowski	IEC 61000-4-30 (Class A)	RS-485 Ethernet
M56311.	CVM-A1500-ITF-485-ICT2	0,2S (.../5A)	.../5 A .../1 A 250 mA		RS-485 Ethernet
M56351.	CVM-A1500-FLEX-485-ICT2	1	Rogowski		RS-485 Ethernet



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Dimensions



Connections

