



# CVM-C5-ITF-485-I

CVM-C5-ITF-485-I, Power analyzer

Code: M55885.

- > Protocol: Modbus/RTU
- > Communications: RS-485
- > Digital inputs: 1
- > Measuring current Channels: 3
- > Input current: .../5 A | .../1 A
- > Mounting: Pannel
- > Modules: 96 x 96

## Specifications

### AC power supply

|                       |                      |
|-----------------------|----------------------|
| Installation category | CAT III 300 V        |
| Consumption           | 3.5 ... 6 VA         |
| Frequency             | 50 ... 60 Hz         |
| Nominal voltage       | 95 ... 240 V ~ ± 10% |

### DC power supply

|                       |                       |
|-----------------------|-----------------------|
| Installation category | CAT III 300 V         |
| Consumption           | 2 ... 6 W             |
| Nominal voltage       | 105 ... 272 Vdc ± 10% |

### Mechanical characteristics

|                                  |                               |
|----------------------------------|-------------------------------|
| Size (mm) width x height x depth | 97 x 97 x 97 (mm)             |
| Envelope                         | Self-extinguishing V0 plastic |
| Fastening                        | Panel                         |
| Weight (kg)                      | 0,26                          |

### Environmental characteristics

|                                          |                             |
|------------------------------------------|-----------------------------|
| Protection class                         | IP 51 (Front), IP 20 (rear) |
| Relative humidity (without condensation) | 5...95%                     |
| Storage temperature                      | -10... +50 °C               |
| Working temperature                      | -5...+45 °C                 |

### Standards

|                                       |                                               |
|---------------------------------------|-----------------------------------------------|
| Certifications                        | UL/CSA 61010-1 3rd edition                    |
| Electrical safety, Maximum height (m) | 2000                                          |
| Standards                             | IEC 61010, UNE-EN 61000-6-4, UNE-EN 61000-6-2 |

### Current measurement circuit

|                               |                  |
|-------------------------------|------------------|
| Installation category         | CAT III 300 V    |
| Nominal current (In)          | .../5A , .../1 A |
| Phase current measuring range | 5...110% In      |



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Multifunctional multimeter for panel

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|                             |       |
|-----------------------------|-------|
| Maximum pulse current       | 100 A |
| Minimum current measurement | 10 mA |

## Voltage measurement circuit

|                                      |                       |
|--------------------------------------|-----------------------|
| Installation category                | CAT III 300 V         |
| Frequency measuring range            | 45 ... 65 Hz          |
| Voltage measuring range              | 5 ...120% Un          |
| Nominal voltage                      | 300V Ph-N, 520V Ph-Ph |
| Minimum measurement voltage (Vstart) | 10 V Ph-N             |

## Communications

|          |                           |
|----------|---------------------------|
| Fieldbus | RS-485                    |
| Protocol | ModBus RTU                |
| Speed    | 1200-2400-4800-9600-19200 |

## User interface

|                           |          |
|---------------------------|----------|
| Keyboard                  | 3 keys   |
| Display type              | LCD      |
| Visible display area size | 60X54 mm |

## Digital inputs

|                         |                        |
|-------------------------|------------------------|
| Input/output insulation | Optoisolated           |
| Quantity                | 1                      |
| Type                    | Potential-free contact |

## Measurement accuracy

|                           |       |
|---------------------------|-------|
| Phase voltage measurement | 0,50% |
|---------------------------|-------|



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## Dimensions

