



## FETC96 100V

FETC96 100V, Phasemeter

Code: M1343C. DESCATALOGADO

- > Scale: 90° P1
- > System: Balanced three-phase
- > Accuracy: 1,5
- > Measurement Range (V): 100
- > Modules: 96x96

### Description

- Does not need an auxiliary power supply
- DIN box with dimensions 96 and 144 mm
- Class 1.5
- Built-in electronic converter
- Balanced single and three-phase circuits

### Application

Measurement of  $\cos \varphi$  in balanced or unbalanced single and three-phase circuits.



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Phasemeters

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## Specifications

### Mechanical characteristics

|                                  |                     |
|----------------------------------|---------------------|
| Size (mm) width x height x depth | 96 x 96 x 62.9 (mm) |
| Fastening                        | Panel               |
| Weight (kg)                      | 0,48                |

### Environmental characteristics

|                       |                                         |
|-----------------------|-----------------------------------------|
| Protection class      | Panel: IP 52 (Front), IP 00 (Terminals) |
| Storage temperature   | -25...+40 °C                            |
| Operating temperature | +10 ... +30 °C                          |

### Standards

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| Certifications                        | CE                                                         |
| Electrical safety, Maximum height (m) | 2000                                                       |
| Standards                             | BS 89, UNE-EN 60051, IEC 144, DIN 43780, IEC 51, UNE 21318 |

### Current measurement circuit

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Consumption          | 1,5 VA                                                                 |
| Sampling frequency   | 20 ... 100 Hz                                                          |
| Nominal current (In) | ... 5 A                                                                |
| Allowable overload   | 1,2 In permanent / 5 In during 30s / 10 In during 5s / 40 In during 1s |

### Voltage measurement circuit

|                                       |                                                 |
|---------------------------------------|-------------------------------------------------|
| Consumption                           | 1 VA                                            |
| Sampling frequency                    | 40 ... 70 Hz                                    |
| Maximum permanent measurement voltage | 1,2 Vn permanent rated voltage / 2 Vn during 5s |

### Electrical characteristics

|                             |                                           |
|-----------------------------|-------------------------------------------|
| Insulation voltage, circuit | 2 kV, 50 Hz, 1 min entre mecanismo y caja |
|-----------------------------|-------------------------------------------|

### Measurement accuracy

|          |            |
|----------|------------|
| Accuracy | ± 1,5 % FE |
|----------|------------|

### FEMC / FETC

Single phase and three-phase 90° electronic phase-meters

| CODE         | TYPE            | Scale  | Accuracy | Modules |
|--------------|-----------------|--------|----------|---------|
| Single-phase |                 |        |          |         |
| M13431.      | FEMC96 100/√3 V | 90° P1 | 1,5      | 96x96   |



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| CODE                 | TYPE              | Scale  | Accuracy | Modules |
|----------------------|-------------------|--------|----------|---------|
| M13432.              | FEMC96 110 /√3 V  | 90° P1 | 1,5      | 96x96   |
| M13433.              | FEMC96 100V       | 90° P1 | 1,5      | 96x96   |
| M13434.              | FEMC96 110V       | 90° P1 | 1,5      | 96x96   |
| M13435.              | FEMC96 230V       | 90° P1 | 1,5      | 96x96   |
| M13436.              | FEMC96 400V       | 90° P1 | 1,5      | 96x96   |
| M13437.              | FEMC96 440V       | 90° P1 | 1,5      | 96x96   |
| M13438.              | FEMC96 500V       | 90° P1 | 1,5      | 96x96   |
| M13441.              | FEMC144 100 /√3 V | 90° P1 | 1,5      | 144x144 |
| M13442.              | FEMC144 110 /√3 V | 90° P1 | 1,5      | 144x144 |
| M13443.              | FEMC144 100V      | 90° P1 | 1,5      | 144x144 |
| M13444.              | FEMC144 110V      | 90° P1 | 1,5      | 144x144 |
| M13445.              | FEMC144 230V      | 90° P1 | 1,5      | 144x144 |
| M13446.              | FEMC144 400V      | 90° P1 | 1,5      | 144x144 |
| M13447.              | FEMC144 440V      | 90° P1 | 1,5      | 144x144 |
| M13448.              | FEMC144 500V      | 90° P1 | 1,5      | 144x144 |
| Balanced three-phase |                   |        |          |         |
| M1343C.              | FETC96 100V       | 90° P1 | 1,5      | 96x96   |
| M1343D.              | FETC96 110V       | 90° P1 | 1,5      | 96x96   |
| M1343E.              | FETC96 230V       | 90° P1 | 1,5      | 96x96   |
| M1343F.              | FETC96 400V       | 90° P1 | 1,5      | 96x96   |
| M1343G.              | FETC96 440V       | 90° P1 | 1,5      | 96x96   |
| M1343H.              | FETC96 500V       | 90° P1 | 1,5      | 96x96   |
| M1344C.              | FETC144 100V      | 90° P1 | 1,5      | 144x144 |
| M1344D.              | FETC144 110V      | 90° P1 | 1,5      | 144x144 |
| M1344E.              | FETC144 230V      | 90° P1 | 1,5      | 144x144 |
| M1344F.              | FETC144 400V      | 90° P1 | 1,5      | 144x144 |
| M1344G.              | FETC144 440V      | 90° P1 | 1,5      | 144x144 |
| M1344H.              | FETC144 500V      | 90° P1 | 1,5      | 144x144 |

Current range: 0.1 to 1.2 In. For the connection of transformers .../5A. Built-in electronic transducer.

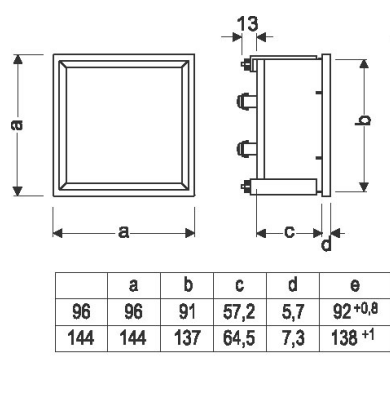


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### Dimensions



### Connections

