



## FETC144 440V

FETC144 440V, Phasemeter

Code: M1344G. DESCATALOGADO

- > Scale: 90° P1
- > System: Balanced three-phase
- > Accuracy: 1,5
- > Measurement Range (V): 440
- > Modules: 144x144

### 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 | 144 x 144 x 71.8 (mm) |
| Fastening                        | Panel                 |
| Weight (kg)                      | 0,69                  |

### Environmental characteristics

|                     |   |
|---------------------|---|
| Protection class    | Panel: IP 52 (Front), IP 00 (Terminals) |
| Storage temperature | -25...+40 °C                            |
| Working 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 |             |        |          |         |
| M13434.      | FEMC96 110V | 90° P1 | 1,5      | 96x96   |



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| CODE                 | TYPE        | Scale  | Accuracy | Modules |
|----------------------|-------------|--------|----------|---------|
| Balanced three-phase |             |        |          |         |
| M1343F.              | FETC96 400V | 90° P1 | 1,5      | 96x96   |

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



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## Dimensions



## Connections

