



## FTZ96 400V

FTZ96 400V, Phasemeter

Code: M1353F. DESCATALOGADO

- > Scale: 240° P1
- > System: Balanced three-phase
- > Accuracy: 1,5
- > Measurement Range (V): 400
- > Modules: 96x96

### Description

- Does not need an auxiliary power supply
- DIN box with dimensions 96 and 144 mm.
- Precision class 1,5
- Built-in electronic converter
- Balanced single and three-phase circuits

### Application

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



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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)                      | 0,5                 |

### Environmental characteristics

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

### Standards

|                                       |                                                                  |
|---------------------------------------|------------------------------------------------------------------|
| Certifications                        | UL                                                               |
| Electrical safety, Maximum height (m) | 2000                                                             |
| Standards                             | BS 89, UNE-EN 60051, IEC 144, UL94, DIN 43780, IEC 51, UNE 21318 |

### Current measurement circuit

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Consumption          | 0,75 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                           | 4 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 |
|----------|------------|

### FMZ / FTC

Single phase and three-phase 240° electronic phase-meters

| CODE         | TYPE         | Scale   | Accuracy | Modules |
|--------------|--------------|---------|----------|---------|
| Single-phase |              |         |          |         |
| M13531.      | FMZ96 100/√3 | 240° P1 | 1,5      | 96x96   |



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| CODE                 | TYPE           | Scale   | Accuracy | Modules |
|----------------------|----------------|---------|----------|---------|
| M13532.              | FMZ96 110 /√3  | 240° P1 | 1,5      | 96x96   |
| M13533.              | FMZ96 100V     | 240° P1 | 1,5      | 96x96   |
| M13534.              | FMZ96 110V     | 240° P1 | 1,5      | 96x96   |
| M13535.              | FMZ96 230 V    | 240° P1 | 1,5      | 96x96   |
| M13536.              | FMZ96 400V     | 240° P1 | 1,5      | 96x96   |
| M13537.              | FMZ96 440V     | 240° P1 | 1,5      | 96x96   |
| M13538.              | FMZ96 500V     | 240° P1 | 1,5      | 96x96   |
| M13541.              | FMZ144 100 /√3 | 240° P1 | 1,5      | 144x144 |
| M13542.              | FMZ144 110 /√3 | 240° P1 | 1,5      | 144x144 |
| M13543.              | FMZ144 100V    | 240° P1 | 1,5      | 144x144 |
| M13544.              | FMZ144 110V    | 240° P1 | 1,5      | 144x144 |
| M13545.              | FMZ144 230V    | 240° P1 | 1,5      | 144x144 |
| M13546.              | FMZ144 400V    | 240° P1 | 1,5      | 144x144 |
| M13547.              | FMZ144 440V    | 240° P1 | 1,5      | 144x144 |
| M13548.              | FMZ144 500V    | 240° P1 | 1,5      | 144x144 |
| Balanced three-phase |                |         |          |         |
| M1353C.              | FTZ96 100V     | 240° P1 | 1,5      | 96x96   |
| M1353D.              | FTZ96 110V     | 240° P1 | 1,5      | 96x96   |
| M1353E.              | FTZ96 230V     | 240° P1 | 1,5      | 96x96   |
| M1353F.              | FTZ96 400V     | 240° P1 | 1,5      | 96x96   |
| M1353G.              | FTZ96 440V     | 240° P1 | 1,5      | 96x96   |
| M1353H.              | FTZ96 500V     | 240° P1 | 1,5      | 96x96   |
| M1354C.              | FTZ144 100V    | 240° P1 | 1,5      | 144x144 |
| M1354D.              | FTZ144 110V    | 240° P1 | 1,5      | 144x144 |
| M1354E.              | FTZ144 230V    | 240° P1 | 1,5      | 144x144 |
| M1354F.              | FTZ144 400V    | 240° P1 | 1,5      | 144x144 |
| M1354G.              | FTZ144 440V    | 240° P1 | 1,5      | 144x144 |
| M1354H.              | FTZ144 500V    | 240° P1 | 1,5      | 144x144 |

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

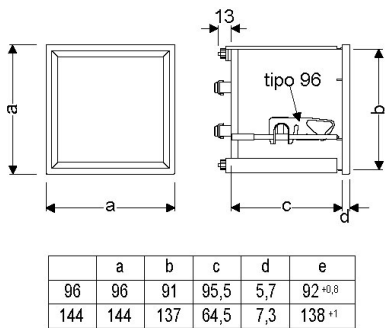


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Dimensions



Connections

