



FEMC96 100/√3 V

FEMC96 100/√3 V, Phasemeter

Code: M13431.

- > Scale: 90° P1
- > System: Single-phase
- > Accuracy: 1,5
- > Measurement Range (V): 100/√3
- > 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 |
| Working 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 | 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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Phasemeters

Code: M13431.

| 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

