



## PIC144B 400 V

PIC144B 400 V, Phasemeter

Code: M13646. DESCATALOGADO

- > Scale: 360°, P1
- > System: Balanced three-phase
- > Accuracy: 1,5
- > Measurement Range (V): 400
- > Modules: 144x144

### Description

- Does not need an auxiliary power supply
- DIN box with dimensions 96 and 144.
- Class 1.5
- Balanced and unbalanced single and three-phase circuits.
- 4 quadrants

### 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 | 144 x 144 x 102 (mm) |
| Fastening                        | Panel                |
| Weight (kg)                      | 1,46                 |

### Environmental characteristics

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

### Standards

|                                       |                                                                   |
|---------------------------------------|-------------------------------------------------------------------|
| Certifications                        | CE, UL                                                            |
| Electrical safety, Maximum height (m) | 2000                                                              |
| Standards                             | BS 89, UNE-EN 60051, IEC 144, UL 94, DIN 43780, IEC 51, UNE 21318 |

### Current measurement circuit

|                      |                                                                        |
|----------------------|------------------------------------------------------------------------|
| Consumption          | 4 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        | 20 mA                               |
| Sampling frequency | 49,5 ... 50,5 Hz / 59,4 ... 60,6 Hz |

### Electrical characteristics

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

### Measurement accuracy

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

PIC  
Induction phasemeters

| CODE         | TYPE         | Scale    | Accuracy | Modules |
|--------------|--------------|----------|----------|---------|
| Single-phase |              |          |          |         |
| M13631.      | PIC96A 110 V | 360°, P1 | 1,5      | 96x96   |
| M13632.      | PIC96A 230 V | 360°, P1 | 1,5      | 96x96   |



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|------------------------|---------------|----------|----------|---------|
| M13633.                | PIC96A 400 V  | 360°, P1 | 1,5      | 96x96   |
| M13641.                | PIC144A 110 V | 360°, P1 | 1,5      | 144x144 |
| M13642.                | PIC144A 230 V | 360°, P1 | 1,5      | 144x144 |
| M13643.                | PIC144A 400 V | 360°, P1 | 1,5      | 144x144 |
| Balanced three-phase   |               |          |          |         |
| M13634.                | PIC96B 110 V  | 360°, P1 | 1,5      | 96x96   |
| M13635.                | PIC96B 230 V  | 360°, P1 | 1,5      | 96x96   |
| M13636.                | PIC96B 400 V  | 360°, P1 | 1,5      | 96x96   |
| M13644.                | PIC144B 110 V | 360°, P1 | 1,5      | 144x144 |
| M13645.                | PIC144B 230 V | 360°, P1 | 1,5      | 144x144 |
| M13646.                | PIC144B 400 V | 360°, P1 | 1,5      | 144x144 |
| Unbalanced three-phase |               |          |          |         |
| M13637.                | PIC96E 110 V  | 360°, P1 | 1,5      | 96x96   |
| M13638.                | PIC96E 230 V  | 360°, P1 | 1,5      | 96x96   |
| M13639.                | PIC96E 400V   | 360°, P1 | 1,5      | 96x96   |
| M13647.                | PIC144E 110V  | 360°, P1 | 1,5      | 144x144 |
| M13648.                | PIC144E 230V  | 360°, P1 | 1,5      | 144x144 |
| M13649.                | PIC144E 400V  | 360°, P1 | 1,5      | 144x144 |

Current range: 0.1 to 1.2 In. For the connection of transformers .../5A.

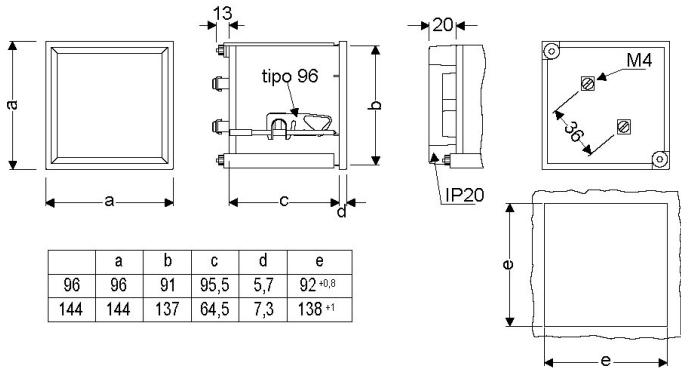


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Dimensions



Connections

