



## HC96 45-55Hz 230V

HC96 45-55Hz 230V, Frequency metre

Code: M12731.

- > Scale: 90°
- > Accuracy: 0,5
- > Measure: 45...55 Hz
- > Frequency (Hz): 45...55
- > Modules: 96x96

### Description

- Does not need an auxiliary power supply
- DIN box with dimensions: 48, 72, 96 and 144
- Class 0.5
- Built-in electronic converter

### Application

Accurate and easy reading of frequency in alternating current circuits. The distortion of voltage (we shall measure its frequency) can reach 15% of the nominal voltage in the third order harmonic, while the Class is not affected.



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Frequencymeters

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## Specifications

### Mechanical characteristics

|                                  |                     |
|----------------------------------|---------------------|
| Size (mm) width x height x depth | 96 x 96 x 49.2 (mm) |
| Fastening                        | Panel               |
| Weight (kg)                      | 0,25                |

### 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

|                    |                                    |
|--------------------|------------------------------------|
| Allowable overload | 1,5 In permanent / 15 In during 1s |
|--------------------|------------------------------------|

### Voltage measurement circuit

|                    |               |
|--------------------|---------------|
| Consumption        | 2 ... 3 VA    |
| Sampling frequency | 50 ... 400 Hz |
| Nominal voltage    | 230 V ~       |

### Electrical characteristics

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

### Measurement accuracy

|          |          |
|----------|----------|
| Accuracy | 0,5 % FE |
|----------|----------|

HC  
Pointer type frequencymeters, 90°

| CODE    | TYPE              | Scale | Accuracy | Modules | Measure    | Frequency (Hz) |
|---------|-------------------|-------|----------|---------|------------|----------------|
| HC72    |                   |       |          |         |            |                |
| M12721. | HC72 45-55Hz 230V | 90°   | 0,5      | 72x72   | 45...55 Hz | 45...55        |
| HC96    |                   |       |          |         |            |                |
| M12731. | HC96 45-55Hz 230V | 90°   | 0,5      | 96x96   | 45...55 Hz | 45...55        |
| HC144   |                   |       |          |         |            |                |



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|---------|--------------------|-------|----------|---------|------------|----------------|
| M12741. | HC144 45-55Hz 230V | 90°   | 0,5      | 144x144 | 45...55 Hz | 45...55        |



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## Dimensions

