



## BC96 500V

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BC96 500V, Voltmeter

Code: M1173E.

- > Scale: 90°, P1
- > Accuracy: 1,5
- > Measurement Range (V): 500
- > Device: BC96
- > Modules: 96x96

### Description

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- No need for auxiliary power supply, only the CEC 96 type
- DIN boxes with dimensions: 48, 72, 96 and 144
- Precision class 1.5
- Measurement in DC 25  $\mu$ A ... 60 A, or ... 60 mV
- Exchangeable scales for BC48, BC72, BC96, BM 45
- The alarm system can be fully configured for CBC 96

### Application

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In direct current applications, to control the state of the current quickly and visually.



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Moving coil voltmeters

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### Specifications

#### Mechanical characteristics

|                                  |                     |
|----------------------------------|---------------------|
| Size (mm) width x height x depth | 96 x 96 x 49.2 (mm) |
| Weight (kg)                      | 0,21                |

#### Environmental characteristics

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

#### Standards

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

#### Voltage measurement circuit

|                                       |                         |
|---------------------------------------|-------------------------|
| Consumption                           | 1000 Ω/V                |
| Sampling frequency                    | 20 ... 100 Hz           |
| Maximum permanent measurement voltage | 1,2 Vn / 2 Vn during 5s |

#### Electrical characteristics

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

#### Measurement accuracy

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

#### BC-V

DC measuring voltmeters

| CODE    | TYPE      | Scale    | Accuracy | Modules | Device |
|---------|-----------|----------|----------|---------|--------|
| M11711. | BC48 1V   | 90° , P1 | 1,5      | 48x48   | BC48   |
| M11714. | BC48 15V  | 90° , P1 | 1,5      | 48x48   | BC48   |
| M11716. | BC48 30V  | 90° , P1 | 1,5      | 48x48   | BC48   |
| M11718. | BC48 60V  | 90° , P1 | 1,5      | 48x48   | BC48   |
| M11719. | BC48 100V | 90° , P1 | 1,5      | 48x48   | BC48   |
| M1171A. | BC48 150V | 90° , P1 | 1,5      | 48x48   | BC48   |
| M1171B. | BC48 250V | 90° , P1 | 1,5      | 48x48   | BC48   |
| M1171D. | BC48 400V | 90° , P1 | 1,5      | 48x48   | BC48   |
| M1171E. | BC48 500V | 90° , P1 | 1,5      | 48x48   | BC48   |



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|---------|------------|----------|----------|---------|--------|
| M1171F. | BC48 600V  | 90° , P1 | 1,5      | 48x48   | BC48   |
| M11721. | BC72 1V    | 90° , P1 | 1,5      | 72x72   | BC72   |
| M11724. | BC72 15V   | 90° , P1 | 1,5      | 72x72   | BC72   |
| M11726. | BC72 30V   | 90° , P1 | 1,5      | 72x72   | BC72   |
| M11728. | BC72 60V   | 90° , P1 | 1,5      | 72x72   | BC72   |
| M11729. | BC72 100V  | 90° , P1 | 1,5      | 72x72   | BC72   |
| M1172A. | BC72 150V  | 90° , P1 | 1,5      | 72x72   | BC72   |
| M1172B. | BC72 250V  | 90° , P1 | 1,5      | 72x72   | BC72   |
| M1172D. | BC72 400V  | 90° , P1 | 1,5      | 72x72   | BC72   |
| M1172E. | BC72 500V  | 90° , P1 | 1,5      | 72x72   | BC72   |
| M1172F. | BC72 600V  | 90° , P1 | 1,5      | 72x72   | BC72   |
| M11731. | BC96 1V    | 90° , P1 | 1,5      | 96x96   | BC96   |
| M11734. | BC96 15V   | 90° , P1 | 1,5      | 96x96   | BC96   |
| M11736. | BC96 30V   | 90° , P1 | 1,5      | 96x96   | BC96   |
| M11738. | BC96 60V   | 90° , P1 | 1,5      | 96x96   | BC96   |
| M11739. | BC96 100V  | 90° , P1 | 1,5      | 96x96   | BC96   |
| M1173A. | BC96 150V  | 90° , P1 | 1,5      | 96x96   | BC96   |
| M1173B. | BC96 250V  | 90° , P1 | 1,5      | 96x96   | BC96   |
| M1173D. | BC96 400V  | 90° , P1 | 1,5      | 96x96   | BC96   |
| M1173E. | BC96 500V  | 90° , P1 | 1,5      | 96x96   | BC96   |
| M1173F. | BC96 600V  | 90° , P1 | 1,5      | 96x96   | BC96   |
| M11741. | BC144 1V   | 90° , P1 | 1,5      | 144x144 | BC144  |
| M11744. | BC144 15V  | 90° , P1 | 1,5      | 144x144 | BC144  |
| M11746. | BC144 30V  | 90° , P1 | 1,5      | 144x144 | BC144  |
| M11748. | BC144 60V  | 90° , P1 | 1,5      | 144x144 | BC144  |
| M11749. | BC144 100V | 90° , P1 | 1,5      | 144x144 | BC144  |
| M1174A. | BC144 150V | 90° , P1 | 1,5      | 144x144 | BC144  |
| M1174B. | BC144 250V | 90° , P1 | 1,5      | 144x144 | BC144  |
| M1174D. | BC144 400V | 90° , P1 | 1,5      | 144x144 | BC144  |
| M1174E. | BC144 500V | 90° , P1 | 1,5      | 144x144 | BC144  |
| M1174F. | BC144 600V | 90° , P1 | 1,5      | 144x144 | BC144  |



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### Connections

