
# 2EC144 2x220V

2EC144 2x220V, Voltmeter

Code: M13843.

> Scale: 90°
> Accuracy: 1,5
> Measurement Range (V): 2x220
> Device: 2EC144
> Modules: 144x144

## Description

- Does not need an auxiliary power supply
- DIN box with dimensions 96 and 144 mm
- Class 1.5
- Double scale

## Application

For the measurement and comparison of alternating currents from two generators or a generator in the network, when connected in parallel.

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Voltmeter, marine applications equipment

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## Specifications

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 144 x 144 x 71.8 (mm) |
| Weight (kg) | 0,43 |

### Environmental characteristics

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

### Standards

| | |
|---|---|
| Certifications | UL |
| Standards | BS 89, UNE-EN 60051, IEC 144, UL94, DIN 43780, IEC 51, UNE 21318 |

### Voltage measurement circuit

| | |
|---|---|
| Consumption | 1 ... 4 VA |
| Sampling frequency | 20 ... 100 Hz |
| Nominal voltage | 230 V ~ |
| Maximum permanent measurement voltage | 1,2 Vn permanent rated voltage / 2 Vn during 5s |

### Electrical characteristics

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

### Measurement accuracy

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

2EC
Double voltimeters

| CODE | TYPE | Scale | Accuracy | Modules | Device |
|---|---|---|---|---|---|
| M13831. | 2EC96 2x.../100V | 90° | 1,5 | 96x96 | 2EC96 |
| M13832. | 2EC96 2x.../110V | 90° | 1,5 | 96x96 | 2EC96 |
| M13833. | 2EC96 2x220V | 90° | 1,5 | 96x96 | 2EC96 |
| M13834. | 2EC96 2x380V | 90° | 1,5 | 96x96 | 2EC96 |
| M13835. | 2EC96 2x440V | 90° | 1,5 | 96x96 | 2EC96 |
| M13841. | 2EC144 2x.../100V | 90° | 1,5 | 144x144 | 2EC144 |
| M13842. | 2EC144 2x.../110V | 90° | 1,5 | 144x144 | 2EC144 |
| M13843. | 2EC144 2x220V | 90° | 1,5 | 144x144 | 2EC144 |
| M13844. | 2EC144 2x380V | 90° | 1,5 | 144x144 | 2EC144 |

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Voltmeter, marine applications equipment

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| CODE | TYPE | Scale | Accuracy | Modules | Device |
|---|---|---|---|---|---|
| M13845. | 2EC144 2x440V | 90° | 1,5 | 144x144 | 2EC144 |

Indicate the voltage transformer ratio

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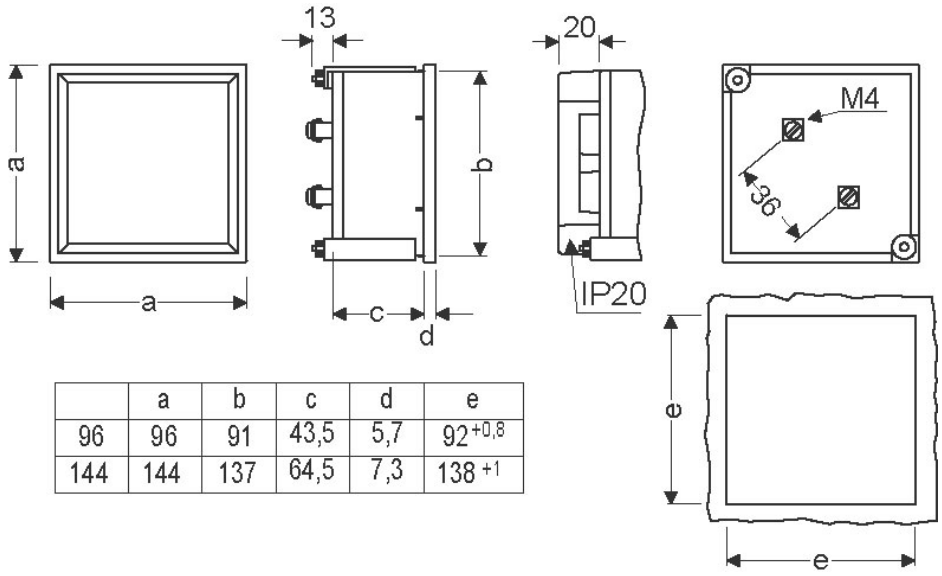
## Dimensions




| | a | b | c | d | e |
|---|---|---|---|---|---|
| 96 | 96 | 91 | 43,5 | 5,7 | $92^{+0,8}$ |
| 144 | 144 | 137 | 64,5 | 7,3 | $138^{+1}$ |