



## EC144 300mA

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EC144 300mA, Milliammeter

Code: M10145.

- > Scale: 90°, P2
- > Accuracy: 1,5
- > Measurement Range (A): 0,3
- > Modules: 144x144

### Description

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- No auxiliary power needed, only type CEC 96.
- DIN boxes, sizes 48, 72, 96 and 144.
- Accuracy class 1.5
- True root mean square value of 100 mA... 100 A
- Interchangeable scales for EC 48, EC 72, EC 96, EM 45, EC 72 FA, EC 96 FA
- Fully adjustable alarm system for CEC 96

### Application

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Alternating current applications to quickly and visually monitor the status of the current.



## EC144 300mA

Moving-iron ammeters (AC)

Code: M10145.

### Specifications

#### Mechanical characteristics

|                                  |                       |
|----------------------------------|-----------------------|
| Size (mm) width x height x depth | 144 x 144 x 71.8 (mm) |
| Fastening                        | Panel                 |
| 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                        | CE, 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        | 0,3 ... 1,5 VA   |
| Sampling frequency | 20...100 Hz  |
| Allowable overload | 1,2 In permanent / 5 In during 30s / 10 In during 5s / 40 In during 1s |

#### Electrical characteristics

|                             |   |
|-----------------------------|---|
| Insulation voltage, circuit | 2 KV, 50 HZ <1 min entre mecanismo y caja |
|-----------------------------|---|

#### Measurement accuracy

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

#### EC-mA

Moving Iron Milliampmeters

| CODE    | TYPE       | Scale   | Accuracy | Measurement Range (A) | Modules |
|---------|------------|---------|----------|-----------------------|---------|
| M10111. | EC48 100mA | 90°, P2 | 1,5      | 0,1                   | 48x48   |
| M10112. | EC48 150mA | 90°, P2 | 1,5      | 0,15                  | 48x48   |
| M10114. | EC48 250mA | 90°, P2 | 1,5      | 0,25                  | 48x48   |
| M10115. | EC48 300mA | 90°, P2 | 1,5      | 0,3                   | 48x48   |
| M10116. | EC48 400mA | 90°, P2 | 1,5      | 0,4                   | 48x48   |
| M10117. | EC48 500mA | 90°, P2 | 1,5      | 0,5                   | 48x48   |
| M10118. | EC48 600mA | 90°, P2 | 1,5      | 0,6                   | 48x48   |
| M10121. | EC72 100mA | 90°, P2 | 1,5      | 0,1                   | 72x72   |



## EC144 300mA

Moving-iron ammeters (AC)

Code: M10145.

| CODE    | TYPE        | Scale   | Accuracy | Measurement Range (A) | Modules |
|---------|-------------|---------|----------|-----------------------|---------|
| M10122. | EC72 150mA  | 90°, P2 | 1,5      | 0,15                  | 72x72   |
| M10124. | EC72 250mA  | 90°, P2 | 1,5      | 0,25                  | 72x72   |
| M10125. | EC72 300mA  | 90°, P2 | 1,5      | 0,3                   | 72x72   |
| M10126. | EC72 400mA  | 90°, P2 | 1,5      | 0,4                   | 72x72   |
| M10127. | EC72 500mA  | 90°, P2 | 1,5      | 0,5                   | 72x72   |
| M10128. | EC72 600mA  | 90°, P2 | 1,5      | 0,6                   | 72x72   |
| M10131. | EC96 100mA  | 90°, P2 | 1,5      | 0,1                   | 96x96   |
| M10132. | EC96 150mA  | 90°, P2 | 1,5      | 0,15                  | 96x96   |
| M10134. | EC96 250mA  | 90°, P2 | 1,5      | 0,25                  | 96x96   |
| M10135. | EC96 300mA  | 90°, P2 | 1,5      | 0,3                   | 96x96   |
| M10136. | EC96 400mA  | 90°, P2 | 1,5      | 0,4                   | 96x96   |
| M10137. | EC96 500mA  | 90°, P2 | 1,5      | 0,5                   | 96x96   |
| M10138. | EC96 600mA  | 90°, P2 | 1,5      | 0,6                   | 96x96   |
| M10141. | EC144 100mA | 90°, P2 | 1,5      | 0,1                   | 144x144 |
| M10142. | EC144 150mA | 90°, P2 | 1,5      | 0,15                  | 144x144 |
| M10144. | EC144 250mA | 90°, P2 | 1,5      | 0,25                  | 144x144 |
| M10145. | EC144 300mA | 90°, P2 | 1,5      | 0,3                   | 144x144 |
| M10146. | EC144 400mA | 90°, P2 | 1,5      | 0,4                   | 144x144 |
| M10147. | EC144 500mA | 90°, P2 | 1,5      | 0,5                   | 144x144 |
| M10148. | EC144 600mA | 90°, P2 | 1,5      | 0,6                   | 144x144 |



## EC144 300mA

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### Dimensions

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### Connections

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