


# EC72 100A

EC72 100A, Ammeter

Code: M1022C.

> Scale: 90°, P2
> Accuracy: 1,5
> Measurement Range (A): 100
> Modules: 72x72

## Description

- No need for auxiliary power supply, only the CEC 96 type.
- DIN boxes with dimensions: 48, 72, 96 and 144.
- Measurement in true root mean square 100 mA . 100 A
- Exchangeable scales for EC48, EC72, EC96, EM 45, EC 72 FA, EC 96 FA
- The alarm system can be fully configured for CEC 96

## Application

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



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# EC72 100A

Moving Iron Miliammeters and Ammeter

Code: M1022C.

## Specifications

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 72 x 72 x 49.2 (mm) |
| Fastening | Panel |
| Weight (kg) | 0,24 |

### 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

| | |
|---|---|
| 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-A
Moving Iron Ammeter

| CODE | TYPE | Scale | Accuracy | Measurement Range (A) | Modules |
|---|---|---|---|---|---|
| M10212. | EC48 5A | 90°, P2 | 1,5 | 5 | 48x48 |
| M10213. | EC48 10A | 90°, P2 | 1,5 | 10 | 48x48 |
| M10214. | EC48 15A | 90°, P2 | 1,5 | 15 | 48x48 |
| M10215. | EC48 20A | 90°, P2 | 1,5 | 20 | 48x48 |
| M10216. | EC48 25A | 90°, P2 | 1,5 | 25 | 48x48 |
| M10217. | EC48 30A | 90°, P2 | 1,5 | 30 | 48x48 |
| M10218. | EC48 40A | 90°, P2 | 1,5 | 40 | 48x48 |



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| CODE | TYPE | Scale | Accuracy | Measurement Range (A) | Modules |
|---|---|---|---|---|---|
| M10219. | EC48 50A | 90°, P2 | 1,5 | 50 | 48x48 |
| M1021A. | EC48 60A | 90°, P2 | 1,5 | 60 | 48x48 |
| M10210. | EC48 .../5A | 90°, P2 | 1,5 | .../5 A | 48x48 |
| M10222. | EC72 5A | 90°, P2 | 1,5 | 5 | 72x72 |
| M10223. | EC72 10A | 90°, P2 | 1,5 | 10 | 72x72 |
| M10224. | EC72 15A | 90°, P2 | 1,5 | 15 | 72x72 |
| M10225. | EC72 20A | 90°, P2 | 1,5 | 20 | 72x72 |
| M10226. | EC72 25A | 90°, P2 | 1,5 | 25 | 72x72 |
| M10227. | EC72 30A | 90°, P2 | 1,5 | 30 | 72x72 |
| M10228. | EC72 40A | 90°, P2 | 1,5 | 40 | 72x72 |
| M10229. | EC72 50A | 90°, P2 | 1,5 | 50 | 72x72 |
| M1022A. | EC72 60A | 90°, P2 | 1,5 | 60 | 72x72 |
| M1022B. | EC72 75A | 90°, P2 | 1,5 | 75 | 72x72 |
| M1022C. | EC72 100A | 90°, P2 | 1,5 | 100 | 72x72 |
| M10220. | EC72 .../5A | 90°, P2 | 1,5 | .../5 A | 72x72 |
| M10232. | EC96 5A | 90°, P2 | 1,5 | 5 | 96x96 |
| M10233. | EC96 10A | 90°, P2 | 1,5 | 10 | 96x96 |
| M10234. | EC96 15A | 90°, P2 | 1,5 | 15 | 96x96 |
| M10235. | EC96 20A | 90°, P2 | 1,5 | 20 | 96x96 |
| M10236. | EC96 25A | 90°, P2 | 1,5 | 25 | 96x96 |
| M10237. | EC96 30A | 90°, P2 | 1,5 | 30 | 96x96 |
| M10238. | EC96 40A | 90°, P2 | 1,5 | 40 | 96x96 |
| M10239. | EC96 50A | 90°, P2 | 1,5 | 50 | 96x96 |
| M1023A. | EC96 60A | 90°, P2 | 1,5 | 60 | 96x96 |
| M1023B. | EC96 75A | 90°, P2 | 1,5 | 75 | 96x96 |
| M1023C. | EC96 100A | 90°, P2 | 1,5 | 100 | 96x96 |
| M10230. | EC96 .../5A | 90°, P2 | 1,5 | .../5 A | 96x96 |

Exchangeable scales. See next page



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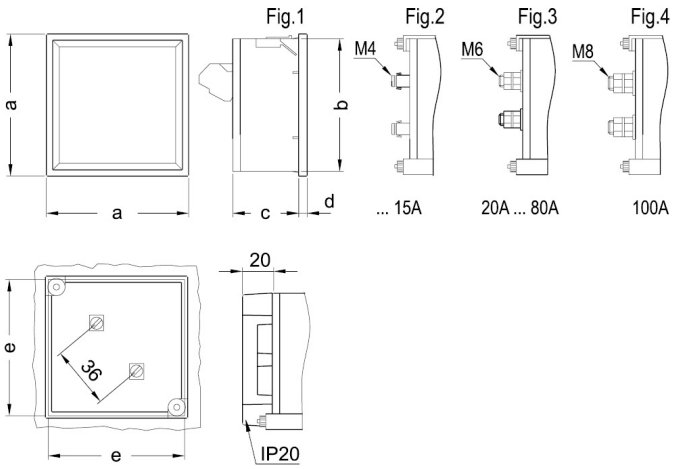


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Moving Iron Miliammeters and Ammeter

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## Dimensions




| Type | Fig. EC | Fig. BC | a | b | c | d | e |
|---|---|---|---|---|---|---|---|
| 48 | 1-3 | 1-3 | 48 | 44,7 | 61 | 5,2 | 45 |
| 72 | 1-3-4 | 2-3-4 | 72 | 67,2 | 43,5 | 5,7 | 68 |
| 96 | 1-3-4 | 2-3-4 | 96 | 91 | 43,5 | 5,7 | 92 |
| 144 | 2-3-4 | 2-3-4 | 144 | 137 | 64,5 | 7,3 | 138 |

## Connections

