



## DC48B A (10A)

DC48B A (10A), Ammeter

Code: M20212. DESCATALOGADO

- > Scale: 10 Aca
- > System: AC
- > Measure: Direct: 10 Aca
- > Mounting: Pannel
- > Modules: 48 x 48

### Description

- Fully programmable: scale, transformer ratio, etc. (except frequency meters)
- Measurement of V, A, Hz or °C.
- Measurement in true root mean square (TRMS), ac types. Excellent quality / price ratio
- Measurement of maximum and minimum values
- Optional relay output, depending on the type

### Application

The high luminosity 4-digit digital display indicates the voltage, current, frequency or instantaneous temperature, with the maximum and minimum values of medium and low voltage lines.



# DC48B A (10A)

Digital indicator for panel mounting

Code: M20212.

## Specifications

### AC power supply

|                 |                         |
|-----------------|-------------------------|
| Consumption     | 4 VA                    |
| Frequency       | 40...70 Hz.             |
| Nominal voltage | 115...230 Vc.a. (± 10%) |

### Mechanical characteristics

|                                  |                  |
|----------------------------------|------------------|
| Size (mm) width x height x depth | 48 x 48 x 0 (mm) |
| Envelope                         | ABS V0           |
| Weight (kg)                      | 0,24             |

### Environmental characteristics

|                       |                                                                        |
|-----------------------|------------------------------------------------------------------------|
| Protection class      | IP 20 (Terminals & case), IP 54 (Front), IP 65 (with front protection) |
| Storage temperature   | 0...+65 °C                                                             |
| Operating temperature | -40...+70 °C                                                           |

### Current measurement circuit

|                             |                                                                         |
|-----------------------------|-------------------------------------------------------------------------|
| Input/output insulation     | Tensión de prueba: 3 kV, 50Hz,1min / Test de impulsos: 4 kV (1,2/50 µs) |
| Number of samples per cycle | 32                                                                      |
| Resolution                  | 10 bits                                                                 |

### User interface

|                     |                                       |
|---------------------|---------------------------------------|
| Overscale indicator | ----                                  |
| LED                 | 2                                     |
| Decimal point       | Programable                           |
| Range               | 0...9999 (c.a.) / -1999...9999 (c.c.) |
| Display type        | 7 segments (4 digits)                 |

### Standards

|           |                                                  |
|-----------|--------------------------------------------------|
| Standards | IEC 1010, IEC 348, IEC 664, EN50081-1, EN50082-1 |
|-----------|--------------------------------------------------|

### Measurement accuracy

|                           |                        |
|---------------------------|------------------------|
| Phase current measurement | ± 0,5 % FS (± 1 digit) |
|---------------------------|------------------------|

DC-B  
Digital instrument

| CODE                            | TYPE | Scale | System | Measure | Modules |
|---------------------------------|------|-------|--------|---------|---------|
| Voltmeters / Process indicators |      |       |        |         |         |



## DC48B A (10A)

Digital indicator for panel mounting

Code: M20212.

| CODE                                 | TYPE                    | Scale             | System | Measure           | Modules |
|--------------------------------------|-------------------------|-------------------|--------|-------------------|---------|
| M20210.                              | DC48B V (150,300,600V)  | 150, 300, 600 Vca | AC     | Direct            | 48 x 48 |
| M20220.                              | DC72B V (150,300,600V)  | 150, 300, 600 Vca | AC     | Direct            | 72 x 72 |
| M20213.                              | DC48B V (10,50,200V)    | 10, 50, 200 Vcc   | DC     | Direct            | 48 x 48 |
| M20223.                              | DC72B V (10,50,200V)    | 10, 50, 200 Vcc   | DC     | Direct            | 72 x 72 |
| M20214.                              | DC48B V ( 600V)         | 600 Vcc           | DC     | -600V / + 600 Vdc | 48 x 48 |
| M20224.                              | DC72B V (600V)          | 600 Vcc           | DC     | -600 / + 600 Vdc  | 72 x 72 |
| M20217.                              | DC48B mV (60,150,200mV) | 60, 150, 200 mVcc | DC     | Direct            | 48 x 48 |
| M20227.                              | DC72B mV (60,150,200mV) | 60, 150, 200 mVcc | DC     | Direct            | 72 x 72 |
| <b>Ammeters / Process indicators</b> |                         |                   |        |                   |         |
| M20211.                              | DC48B A (... / 5A)      | ... / 5 Aca       | AC     | Direct            | 48 x 48 |
| M20221.                              | DC72B A (... / 5A)      | ... / 5 Aca       | AC     | Direct            | 72 x 72 |
| M20212.                              | DC48B A (10A)           | 10 Aca            | AC     | Direct            | 48 x 48 |
| M20222.                              | DC72B A (10A)           | 10 Aca            | AC     | Direct            | 72 x 72 |
| M20215.                              | DC48B A (5,20,200mA)    | 5, 20, 200 mAcc   | DC     | Direct            | 48 x 48 |
| M20225.                              | DC72B A (5,20,200mA)    | 5, 20, 200 mAcc   | DC     | Direct            | 72 x 72 |
| M20216.                              | DC48B A (10A)           | 10 Acc            | DC     | Direct            | 48 x 48 |
| M20226.                              | DC72B A (10A)           | 10 Acc            | DC     | Direct            | 72 x 72 |
| M2022A.                              | DC72B MD                | ... / 5 Aca       | AC     | Direct            | 72 x 72 |

All AC instruments measure TRMS values Please see the code table for other power supply values (110 Vdc power supply not available)