

RoHS
Compliant



Description

The 4 digit multi-input process monitor has voltage measurement ranging between $\pm 2V$ and $\pm 10V$ and current measurement range between $-20mA$ and $20mA$. It has a supply voltage rating of $24V$ AC/DC. The meter has a depth of $66mm$, digits height of $14mm$. This instrument is based on a microcontroller and an A/D converter, which ensures good accuracy and easy operation of the instrument. The $22mm$ cross-section of the circular instrument body allows for convenient mounting into mosaic and signalling panels.

Features

- 4-digit programmable projection
- Range: $\pm 5mA$ / $\pm 20mA$ / $4mA$ to $20 mA$
 $\pm 2V$ / $\pm 5V$ / $\pm 10V$
- Digital filters
- Size of DIN $51.5mm \times 29.5mm$
- Power supply 10 to $30V$ DC / $24V$ AC $24V$ AC / DC

Specification

Projection

| | |
|---------------|--|
| Display | : -999 to +9999, single colour 7-segm. LED |
| Digit height | : 14mm |
| Display color | : Red |
| Decimal point | : Adjustable - in menu |
| Brightness | : Adjustable |

Projection

| | |
|---------------|---|
| Display | : -999 to 9999, single colour 7-segm. LED |
| Digit height | : 14 mm |
| Display color | : Red |
| Decimal point | : Adjustable - in menu |
| Brightness | : Adjustable |

Power Supply

| | |
|-------------|--|
| Range | : 10 to $30V$ DC/ $24V$ AC, $\pm 10\%$, $PF \geq 0,4$, $I_{STP} < 45 A/1.1 ms$, isolated $24V$ AC/DC, $\pm 10\%$, $PF \geq 0,4$, $I_{STP} < 45 A/1.1 ms$ |
| Consumption | : $< 0.2 W/0.2 VA$ |

Mechanic Properties

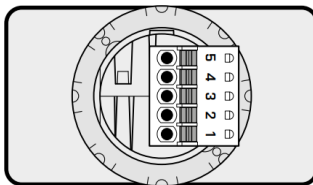
| | |
|--------------|--|
| Material | : PA66, incombustible UL 94 V-I |
| Dimensions | : $51.5mm \times 29.5mm \times 66mm$ (W×H×D) |
| Panel cutout | : $\varnothing 22.5mm$ |

Operating Conditions

| | |
|------------|--|
| Connection | : Connector terminal blocks, section $< 1,3mm^2$ |
|------------|--|

| | |
|-----------------------|---|
| Stabilization period | : Within 5 minutes after switch-on |
| Working temperature | : -20°C to 60°C |
| Storage temperature | : -20°C to 85°C |
| Protection | : IP65 (front panel only) |
| El. safety | : EN 61010-1, A2 |
| Dielectric strength | : 700V AC per 1 min test between supply and input |
| Insulation resistance | : For pollution degree II, measuring cat. II. power supply > 250 V (PI) |
| EMC | : EN 61326-1 |

Diagram



| | | |
|---|---|---------|
| 5 | ■ | GND |
| 4 | ⊕ | Input I |
| 3 | ⊕ | Input U |
| 2 | ■ | Power |
| 1 | ⊕ | |

Part Number Table

| Description | Part Number |
|---|-------------|
| 4-Digit Multi-input Process monitor, 10-30V DC, Red | MP-335PM-01 |
| 4-Digit Multi-input Process monitor, 24V AC/DC, Red | MP-335PM-21 |

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