

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 $20mA$
 $\pm 2V$ / $\pm 5V$ / $\pm 10V$
- 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, $\pm 10\%$, $PF \geq 0,4$, $I_{STP} < 45A/1.1ms$, isolated $24V$ AC/DC, $\pm 10\%$, $PF \geq 0,4$, $I_{STP} < 45A/1.1ms$
Consumption	: $< 0.2W/0.2VA$

Mechanic Properties

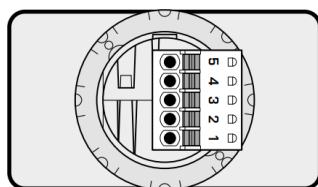
Material	: PA66, incombustible UL 94 V-I
Dimensions	: $51.5mm \times 29.5mm \times 66mm$ (W×H×D)
Panel cutout	: $\varnothing 22.5mm$

Operating Conditions

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