

## 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  $22\text{ mm}$  cross-section of the circular instrument body allows for convenient mounting into mosaic and signalling panels.

## Features

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

## Specification

### Projection

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

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### Power Supply

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

### Mechanic Properties

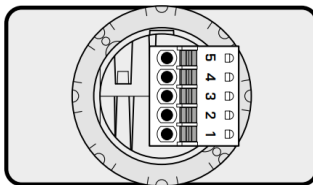
Material	: PA66, incombustible UL 94 V-I
Dimensions	: $51.5 \times 29.5 \times 66\text{ mm}$ (w x h x d)
Panel cutout	: $\varnothing 22.5\text{ mm}$

### Operating Conditions

Connection	: Connector terminal blocks, section $< 1,3\text{ mm}^2$
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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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