# Digital Panel Display

**multicomp** PRO

## Description

The 4 digit multi-input process monitor has voltage measurement ranging between ±2V and ±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: ±5mA/ ±20mA / 4mA to 20 mA
     ±2V / ±5V / ±10V
- Digital filters
- Size of DIN 51.5mm × 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, ±10 %, PF≥0,4, $I_{STP}$< 45 A/1.1 ms, isolated 24V AC/DC, ±10%, PF≥0,4, $I_{STP}$< 45 A/1.1 ms |
| Consumption | : < 0.2 W/0.2 VA |

**Mechanic Properties**
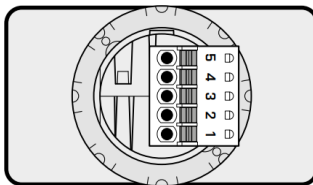
| | |
|---|---|
| Material | : PA66, incombustible UL 94 V-I |
| Dimensions | : 51.5mm × 29.5mm × 66mm (W×H×D) |
| Panel cutout | : Ø 22.5mm |

**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



## 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 |

Newark.com/multicomp-pro
Farnell.com/multicomp-pro
sg.element14.com/b/multicomp-pro

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