

RoHS  
Compliant



## Description

MP-335PAS is a 4-digit passive analog loop display 4mA to 20mA. The instrument is based on a microcontroller with a very low power consumption and an A/D converter, which ensures good accuracy and easy mounting into mosaic and signalling panels, operation of the instrument. The 22mm cross-section of the circular instrument body allows its convenient mounting into mosaic and signaling panels.

## Features

- 4-Digit Programmable Projection
- Input: 4mA to 20mA
- Linearization
- Size of DIN 51.5mm × 29.5mm
- Power Supply From The Loop

## Specification

### Projection

Display	: 9999, 7-segment LED
Digit height	: 14mm
Display color	: Red or Green
Projection	: -999 to 9999
Decimal point	: Adjustable - in menu
Brightness	: Fixed

### Instrument Accuracy

TK	: 50 ppm/°C
Accuracy	: ±0.15% of range + 1 digit (for projection -999 to 1999)
Rate	: 0.1 to 100 measur./s
Overload capacity	: 2x
Watch-dog	: Reset after 500ms
Calibration	: At 25°C and 40% r.h.

## Comparators

Type : Digital, menu adjustable  
 Hysteresis mode : Switching limit, hysteresis band "Lim ±1/2Hys." and time (±99.9 s) determining the switching delay  
 Output : 2x Power MOSFET, (30V DC/0.5 A)

## Power Supply

from current loop 4 to 20mA, voltage drop < 6 V

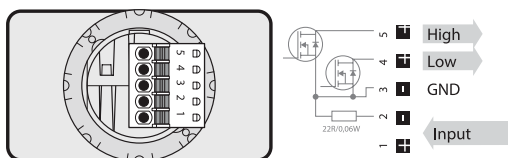
## Mechanic Properties

Material : Noryl, incombustible UL 94 V-1  
 Dimensions : 51.5mm × 29.5mm × 66mm (W×H×D)  
 Panel cutout : Ø 22.5mm

## Operating Conditions

Connection : Connector terminal blocks, section 0.2mm<sup>2</sup> to 1.3mm<sup>2</sup>  
 Stabilization period : Within 2 minutes after switch-on  
 Working temperature : -20°C to 60°C  
 Storage temperature : -20°C to 85°C  
 Protection : IP65 (front panel only)  
 EMC : EN 61326-1

## Diagram



## Part Number Table

Description	Colour	Part Number
4 Digit Process Monitor/Controller, 4-20mA	Red	MP-335PAS-1
	Green	MP-335PAS-2

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