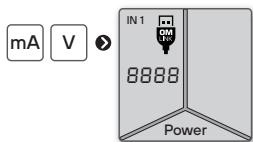




## PROCESS MONITOR



## OMM 335PM



- 4-digit programmable projection
- Range  $\pm 5/\pm 20/4...20\text{ mA}$   
 $\pm 2/\pm 5/\pm 10\text{ V}$
- Linearization
- Size of  $51.5 \times 29.5\text{ mm}$ ,  $\varnothing 22\text{ mm}$
- Power supply  $10...30\text{ VDC}/24\text{ VAC}$

OMM 335PM is a 4-digit process monitor.

The instrument is based on a microcontroller with ADC, which ensures good accuracy and easy operation of the instrument.

The 22 mm cross-section of the circular instrument body allows its convenient mounting into mosaic and signalling panels.

## OPERATION

The instrument is set and controlled by two buttons located on its the body. Standard equipment is the OM Link USB interface, which, when using the control program, allows you to edit and archive all device settings and to update firmware.

All settings are stored in FLASH memory (they hold even after the power is turned off).

## STANDARD FUNCTIONS

### PROGRAMMABLE PROJECTION

**Selection:** of input type and measuring range

**Setting:** manual, optional projection on the display may be set in menu for both limit values of the input signal, e.g. input  $0...10\text{ V} > 0...150.0$

**Projection:** -999...9999

### FUNCTIONS

**Linearization:** non-linear signal is converted by a 50-point linear interpolation

## TECHNICAL DATA

INPUT	
No. of inputs	1 The range is adjustable in the instrument menu
PAS	Range
±5 mA	< 200 mV
±20 mA	< 200 mV
4...20 mA	< 200 mV
±2 V	1 MΩ
±5 V	1 MΩ
±10 V	1 MΩ

PROJECTION	
Display	.999...9999, single color 7-segment LED
Digit height	14 mm
Display color	red or green
Decimal point	adjustable - in menu
Brightness	adjustable - in menu

POWER SUPPLY	
Range	24 V DC/AC, ±10 %, PF ≥ 0.4, $I_{\text{sp}} < 45 \text{ A} / 1 \text{ ms}$ , 10...30 VDC / 24 VAC, ±10 %, PF ≥ 0.4, $I_{\text{sp}} < 45 \text{ A} / 1 \text{ ms}$ , isolated
Consumption	< 0.2 W / 0.2 VA

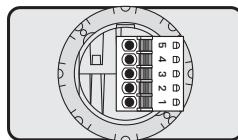
INSTRUMENT SPECIFICATION	
TC	50 ppm/°C
Accuracy	±0.15 % of FS <i>above accuracies apply for projection 1999</i>
Rate	0.1...100 measurement/s
Overload capacity	10x (t < 30 ms), 2x
Linearization	linear interpolation in 50 points <i>setup only via OM Link</i>
OM Link	Company communication interface for operation, setting and update of instruments (microUSB)
Watch-dog	reset after 500 ms
Calibration	at 25°C and 40 % r.h.

MECHANIC PROPERTIES	
Material	PA66, incombustible UL 94 V-1, black
Dimensions	51.5 x 29.5 x 78 mm (w x h x d)
Panel cutout	Ø 22.5 mm

OPERATING CONDITIONS	
Connection	connector terminal blocks, section < 1.3 mm²
Stabilization period	within 5 minutes after switch-on
Working temperat.	-20°...60°C
Storage temperat.	-20°...85°C
Working humidity	< 95 % r.v., non condensing
Protection	IP65, front panel only
Construction	safety class I
El. safety	EN 61010-1, A2
Dielectric strength	700 VAC for 1 min. between power supply and input
Insulation resist.*	for pollution degree II, measuring cat. III power supply > 250 V (P1)
EMC	EN 61326-1:2021, Industrial area
RoHS	EN IEC 63000:2018
Seismic qualification	IEC/IEEE 60960-344 Edition 1.0, 2020, par. 6, 9
Mechanical resistance	EN 60068-2-6 ed. 2:2008

\* PI - Primary insulation, DI - Double insulation

## CONNECTION



- 5 GND
- 4 Input I
- 3 Input U
- 2 Power

## ORDER CODE

### OMM 335PM

-  -

Power supply	10...30 V AC/DC	0	2	<input type="checkbox"/>
	24 V AC/DC			<input type="checkbox"/>
Display color	red	1	2	<input type="checkbox"/>
	green			<input type="checkbox"/>
Specification	customized version, do not fill in			
		00		

Basic configuration of the instrument is indicated in bold.