



Data Sheet
OMM 335PM

Distributed by



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PROCESS MONITOR

- 4-digit programmable projection
- Range: $\pm 5 \text{ mA}/\pm 20 \text{ mA}/4\dots 20 \text{ mA}$
 $\pm 2 \text{ V}/\pm 5 \text{ V}/\pm 10 \text{ V}$
- Digital filters, Linearization
- Size of DIN 51,5 x 29,5 mm
- Power supply 10...30 V DC/24 VAC

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).

OMM 335PM



OMM 335PM is a 4-digit process monitor.

The instrument is based on a microcontroller and an A/D converter, 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.

OMM 335PM
PROCESS MONITOR

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 V > 0...150,0

Projection: -999...9999

FUNCTIONS

Linearization: non-linear signals can be linearized by the means of a linearization table (up to 50 points)

TECHNICAL DATA

INPUT

Number of inputs	1		
PM Range	optional in configuration menu		
	±5 mA	< 200 mV	Input I
	±20 mA	< 200 mV	Input I
	4...20 mA	< 200 mV	Input I
	±2 V	1 MΩ	Input U
	±5 V	1 MΩ	Input U
	±10 V	1 MΩ	Input U

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

INSTRUMENT ACCURACY

TC: 50 ppm/°C
Accuracy: ±0,15% of range + 1 digit
 (for projection -999...1999)
Rate: 0,5...100 measurement/s
Overload capacity: 2x; 10x (t < 30 ms)
Linearization: linear interpolation in 50 points (only via OM Link) (only via OM Link)
OM Link: company communication interface for operation, setting and update of instruments
Watch-dog: reset after 500 ms
Calibration: at 25°C and 40 % r.h.

POWER SUPPLY

Range: 24 V DC/AC, ±10 %, PF ≥ 0,4, I_{STP} < 45 A/1,1 ms
 10...30 VDC/24 VAC, ±10 %, PF ≥ 0,4, I_{STP} < 45 A/1,1 ms, isolated
Consumption: < 0,2 W/0,2 VA

MECHANIC PROPERTIES

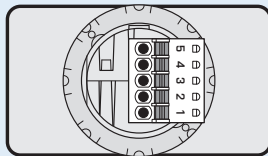
Material: PA66, incombustible UL 94 V-1
Dimensions: 51,5 x 29,5 x 66 mm (w x h x d)
Panel cutout: Ø 22,5 mm

OPERATING CONDITIONS

Connection: connector terminal blocks, section < 1,3 mm²
Stabilization period: within 5 minutes after switch-on
Working temperature: -20°...60°C
Storage temperature: -20°...85°C
Protection: IP65 (front panel only)
El. safety: EN 61010-1, A2
Dielectric strength: 700 VAC 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

PI - Primary insulation, DI - Double insulation

CONNECTION



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

ORDER CODE

OMM 335PM

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Power supply	10...30 V AC/DC	0	
	24 V AC/DC	2	
Display color	red		1
	green		2
Specification	customized version, do not fill in		00

Basic configuration of the instrument is indicated in bold.