



OMM 335PM



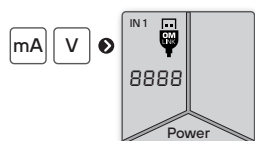
- 4-digit programmable projection
- Range $\pm 5 / \pm 20 / 4 \dots 20 \text{ mA}$
 $\pm 2 / \pm 5 / \pm 10 \text{ V}$
- Linearization
- Size of 51.5 x 29.5 mm, Ø 22 mm
- Power supply 10...30 VDC / 24 VAC

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.

PROCESS MONITOR



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 V > 0...150.0

Projection: -999...9999

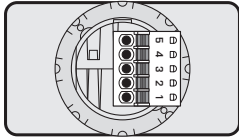
FUNCTIONS

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	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 - in menu		
INSTRUMENT SPECIFICATION			
TC	50 ppm/°C		
Accuracy	±0.15 % of FS <i>above accuracies apply for projection 9999</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.		
POWER SUPPLY			
Range	24 V DC/AC, ±10 %, PF ≥ 0.4, I _{LTP} < 45 A / 1 ms, 10...30 VDC / 24 VAC, ±10 %, PF ≥ 0.4, I _{LTP} < 45 A / 1 ms, isolated		
Consumption	< 0.2 W / 0.2 VA		
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 (PI)		
EMC	EN 61326-1:2021, Industrial area		
RoHS	EN IEC 63000:2018		
Seismic qualification	IEC/IEEE 60980-344 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
- 1

ORDER CODE

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

Basic configuration of the instrument is indicated in bold.