

OMM 335PAS

- 4-digit programmable projection
- Input 4...20 mA
- Linearization
- Size of 51.5 x 29.5 mm, Ø 22 mm
- Power supply from the loop

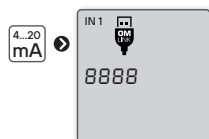


OMM 335PAS is a 4-digit passive analog loop display 4...20 mA.

The instrument is based on a microcontroller with a very low power consumption 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.

PASSIVE LOOP DISPLAY 4...20 mA



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

Setting: manual, optional projection on the display may be set in menu for both limit values of the input signal, e.g. input 4...20mA > 0...250.0

Projection: -999...9999

FUNCTIONS

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

TECHNICAL DATA

INPUT

No. of inputs	1
PAS Input	4...20 mA < 5.5 V

PROJECTION

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

INSTRUMENT SPECIFICATION

TC	50 ppm/°C
Accuracy	±0.15 % of FS + 1 digit <i>above accuracies apply for projection 1999</i>
Rate	0.1...100 measurement/s
Overload capacity	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.

OC OUTPUT

No. of outputs	2
Type	digital, menu adjustable
Limits	-999...9999
Hysteresis	0...9999
Delay	0...99.9 s
Outputs	2x OC Power MOSFET (30 VDC/500 mA)

POWER SUPPLY

	from current loop 4...20 mA, voltage drop < 5.5 V
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MECHANIC PROPERTIES

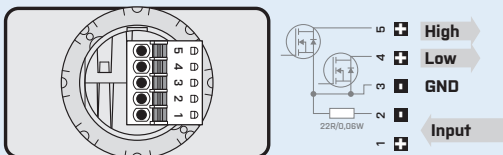
Material	PA66, incombustible UL 94 V-1, black
Dimensions	51.5 x 29.5 x 78 mm (w x h x d)
Panel cutout	Ø 22.5 mm

OPERATING CONDITIONS

Connection	connector terminal blocks, section < 1.3 mm ²
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
EMC	EN 61326-1, Industrial area
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



ORDER CODE

OMM 335PAS - -

Display color	red	1	
	green	2	
Specification	customized version, do not fill in		00

Basic configuration of the instrument is indicated in bold.