

OMM 335PAS



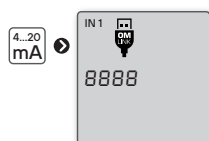
- 4-digit programmable projection
- Input 4...20 mA
- Linearization
- Size of 51.5 x 29.5 mm, Ø 22 mm
- Power supply from the loop

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 <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 % rh. |

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 |
|--|---|

MECHANIC PROPERTIES

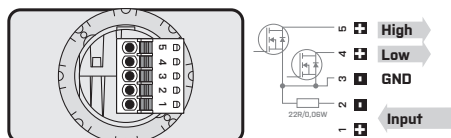
| | |
|--------------|--------------------------------------|
| Material | PA66, incombustible UL 94 V-1, black |
| Dimensions | 51.5 x 29.5 x 78 mm (w x h x d) |
| Panel cutout | Ø 22.5 mm |

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 61326-1:2021, 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



ORDER CODE

OMM 355PAS

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

Basic configuration of the instrument is indicated in bold.