

Data Sheet
OMM 335PM

Distributed by



[www. BristolInstruments.com](http://www.BristolInstruments.com)

Bristol Instruments
90 Canal Street - 4th Floor
Boston, MA 02114

Toll free
877-866-8500



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 50,5 X 28,5 MM
- POWER SUPPLY 10...30 V DC/24 VAC

OMM 335PM

OMLINK

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 signaling panels.

OMM 335PM
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 $0 \dots 10 \text{ V} > 0 \dots 150,0$

Projection: -999...9999

FUNCTIONS

Linearization: linear interpolation in 50 points (only via OM Link)

NEW

TECHNICAL DATA

INPUT

PM	Number			
	1	optional in configuration menu		
	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

INSTRUMENT ACCURACY

TK: 50 ppm/°C
Accuracy: ±0,15% of range + 1 digit
 (for projection -999...1999)
Rate: 0,5...100 measur./s
Overload capacity: 2x; 10x [t < 30 ms]
Linearization: linear interpolation in 50 points (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_{sp} < 45 A/11 ms
 10...30 VDC/24 VAC, ±10 %, PF ≥ 0,4, I_{sp} < 45 A/11 ms, isolated
Consumption: < 0,2 W/0,2 VA

MECHANIC PROPERTIES

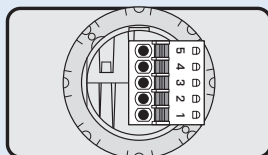
Material: PA66, incombustible UL 94 V-I
Dimensions: 50,5 x 28,5 x 66 mm [w x h x d]
Panel cutout: ∅ 22,5 mm

OPERATING CONDITIONS

Connection: connector terminal blocks, section < 1,3 mm²
Stabilization period: within 15 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

- -

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.