OMM 37



- 3½-DIGIT PROJECTION
- SIZE OF DIN 48 X 24 MM
- POWER SUPPLY 7...12 VDC
- Option Power supply 10 ...30 V AC/DC, isolated

OPERATION

The instrument is designed for simple measurement without further control. Placement of the decimal point is selectable by a shorting link under the front

CALIBRATION

Contingent corrections of display projection for both limit values of input signal may be performed by trimmers from the back of the instrument (\pm 10%).

OPTION

ISOLATED POWER SUPPLY with range of 10...30 V is designed for applications, where it is necessary to use galvanic separation from the input signal.



OMM 37

The OMM 37 model series are small 3½-digit panel instruments with good accuracy and stability.

For their small dimensions the instruments are suitable for mosaic panels mounting applications.

OMM 37DC

DC VOLTMETER AND AMMETER

OMM 37PM

PROCESS MONITOR

OMM 37RTD

THERMOMETER FOR PT 100



TECHNICAL DATA

Display: ±1999, red or green 7-segment LED, digit height 9,1mm Decimal point: adjustable - by jumper Brightness: adjustable - by trimmer under front panel

INSTRUMENT ACCURACY

TC: 50 ppm/°C
Accuracy: ±0,1% of range + 1 digit
±0,8 % of range + 1 digit
Rate: 2,5 meas./s

Resolution: 1°C (RTD)

Overload capacity: 10x (t < 30 ms); 2x

Calibration: at 25°C and 40% r.h.

POWER SUPPLY

7...12 VDC, max. 100 mA 10...30 VDC/24 VAC, max. 160 mA, PF≥0.4, I_{STP}< 40 A/1,1 ms, isolated

MECHANIC PROPERTIES

Material: Noryl GFN2 SE1, incombustible UL 94 V-I Dimensions: $48 \times 24 \times 72 \, \text{mm}$

Panel cutout: 43,5 x 22,5 mm

OPERATING CONDITIONS

Connection: connector terminal board, section < 2,5 mm²
Stabilization period: within 15 minutes after switch-on

Stabilization period: Within 16 mir Working temperature: 0°...60°C Storage temperature: 10°...85°C Cover: IP42 (front panel only) El. safety: EN 61010-1, A2

EL: safety: EN 6IUIU-I, AZ

Dielectric strength: 2,5 kVAC after 1 min between supply and input
Insulation resistance: for pollution degree II, measuring cat. III.

Power supply, input > 300 V (PI), 250 V (DI)

EMC: EN 61326-1

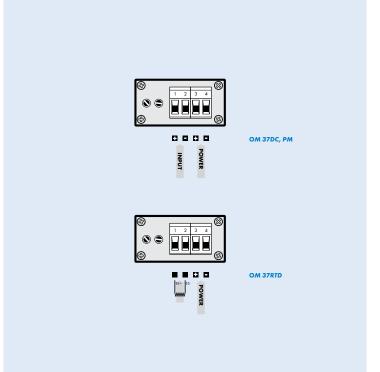
RTD

PI - Primary insulation, DI - Double insulation

MEASURING RANGES

DC	PM	RTD
		Pt 100 (-20140°C)
±199,9 mV	05 mA	
±1,999 V	020 mA	
±19,99 V	420 mA	
±199,9 V	±2 V	
	±5 V	
	±10 V	
±199,9 μA		
±1,999 mA		
±19,99 mA		
±199,9 mA		
on request	on request	

CONNECTION



ORDER CODE

OMM 37 D C Type Order code shall not include blank spaces! R T D 0 Power supply 7...12 VDC, non-isolated 10...30 VDC, isolated Measuring range, see table "Measuring ranges" Display color red

Please, state the requested projection for selected input range in your order (PM)! (e.g.: input 0...20 mA > projection 0.0...100.0)

Default execution is shown in bold