



- 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 panel.

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

PROJECTION

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% rh.

RTD

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

MECHANICAL PROPERTIES

Material: Noryl GFN2 SE1, incombustible UL 94 V-1
Dimensions: 48 x 24 x 72 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
Working temperature: 0°...60°C
Storage temperature: -10°...85°C
Cover: IP42 (front panel only)
El. safety: EN 61010-1, A2
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

PI - Primary insulation, DI - Double insulation

MEASURING RANGES

	DC	PM	RTD
			Pt 100 (-20...140°C)
A	±199,9 mV	0...5 mA	
B	±1,999 V	0...20 mA	
C	±19,99 V	4...20 mA	
D	±199,9 V	±2 V	
E		±5 V	
F		±10 V	
J	±199,9 µA		
K	±1,999 mA		
L	±19,99 mA		
M	±199,9 mA		
Z	on request	on request	

CONNECTION



OM 37DC, PM



OM 37RTD

ORDER CODE

OMM 37

Type

	D	C			
	P	M			
	R	T	D		

Order code shall not include blank spaces!

Power supply	7...12 VDC, non-isolated	0	
	10...30 VDC, isolated	1	
Measuring range, see table „Measuring ranges“			?
Display color	red		1
	green		2

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