

OMM 37PM



2003-3-en

- **3 1/2 digit projection**
- **±2; ±5; ±10 V**
- **0...5/20 mA; 4...20 mA**
- **Size of DIN 48 x 24 mm**
- **Power supply 7...12 V AC/DC**

Options

Power supply 7...30 V AC/DC

Description

The OMM 37PM model is a miniature 3 1/2 digit panel process monitor designed for direct projection of analog signals in required units with great accuracy and stability.

For its dimensions it is suitable for mosaic panels mounting applications.

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 the input signal may be performed by trimmers from the back of the instrument (e.g. 4...20 mA ⇒ projection 0.0...150.0)

Options

Isolated power supply with the range of 7...30 V is assigned for applications where it is necessary to use galvanic separation from the input signal.

Technical data

MEASURING RANGE

	Impedance/Max.drop
0...5 mA	< 260 mV
0...20 mA	< 260 mV
4...20 mA	< 260 mV
±2 V	1 MOhm
±5 V	1 MOhm
±10 V	1 MOhm

PROJECTION

Display: ±1999, red or green 7-segment LED, digit height 9,1 mm
 Decimal point: adjustable - by shorting link
 Brightness: adjustable - by trimmer inside the instrument

INSTRUMENT ACCURACY

Tempco: 100 ppm/°C
 Accuracy: ±0,15 % of range (applies for full range of the projection)
 Rate: 2,5 measurements/s
 Overload capacity: 10x (t < 30 ms), 2x (long-term)
 Calibration: at 25°C and 40 % r.h.

POWER SUPPLY

7...12 V AC/DC, max. 100 mA (DC), 60 mA (AC)
 7...30 V AC/DC, max. 160 mA (DC), 280 mA (AC), (24 VDC/55 mA), isolated

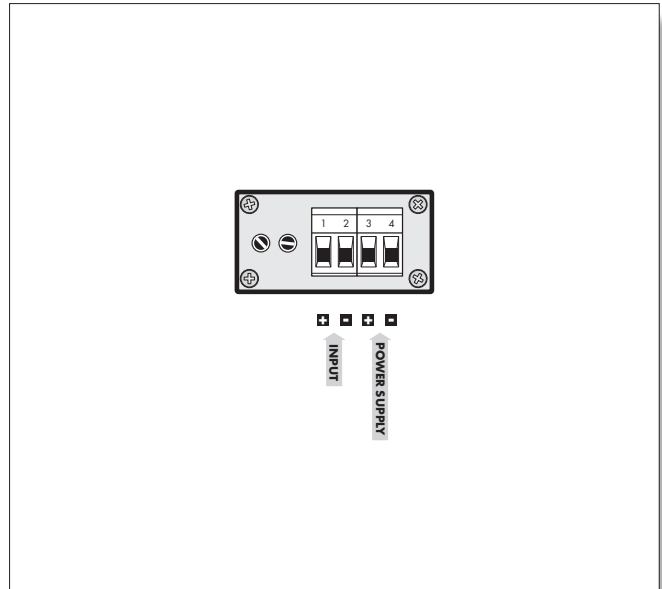
MECHANIC PROPERTIES

Material: Noryl GFN2 SE1, incombustible UL 94 V-I
 Dimensions: 48 x 24 x 72 mm
 Panel cut: 43,5 x 22,5 mm

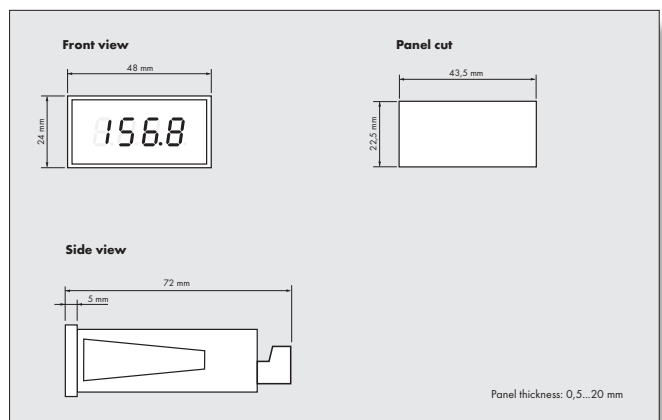
OPERATING CONDITIONS

Connection: connector terminal board, conductor section up to 2,5 mm²
 Stabilization period: within 15 minutes after switch-on
 Working temperature: 0°...60°C
 Storage temperature: -10°...85°C
 Covering: IP42 (front panel only)
 Electrical safety: EN 61010-1, A2
 Overvoltage category: for pollution degree II
 II - instrument power supply (300 V)

Connection



Dimensions



Order code

