

## OMM 37PM



- **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, isolated

### Description

The OMM 37PM model is a miniature 3 1/2 digit panel process monitor designed for direct projection of analogue 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

<b>MEASURING RANGE</b>	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

<b>PROJECTION</b>	
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

<b>INSTRUMENT ACCURACY</b>	
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.

<b>POWER SUPPLY</b>	
	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

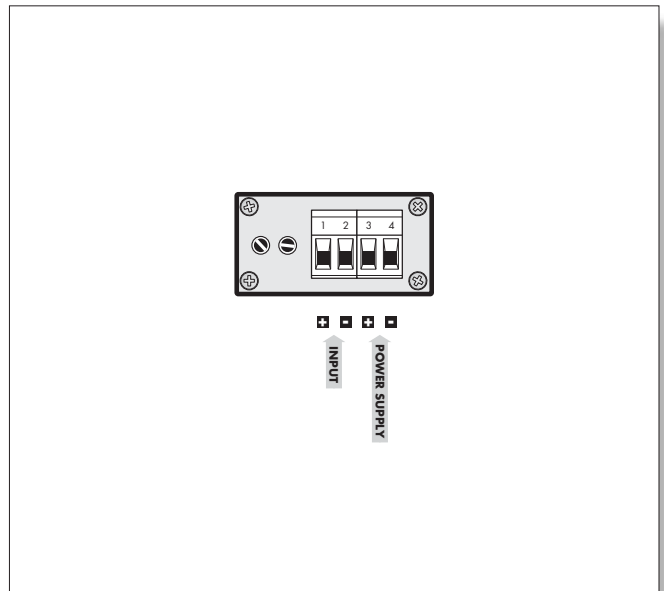
### MECHANIC PROPERTIES

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

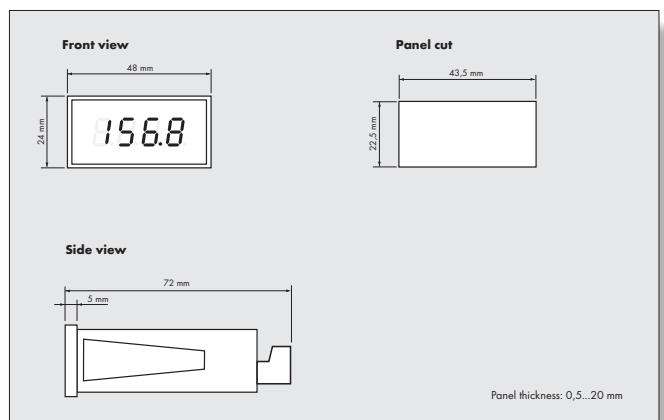
### OPERATING CONDITIONS

Connection: connector terminal board, conductor section up to 2,5 mm<sup>2</sup>  
 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

**OMM 37PM - xxx**

<b>Power supply</b>	1: non-isolated 2: isolated	<b>Display color</b>	1: red 2: green
<b>Input</b>	A: 0...5 mA B: 0...20 mA C: 4...20 mA D: ±2 V E: ±5 V F: ±10 V		

Please, state the required input range in your order!