

## OMM 37PM



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

### Extension

Power supply 7...32 V AC/DC

### 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.

### Options

Isolated power supply with the range of 7...32 V is assigned for applications where it is necessary to use galvanic separation from the input signal.

### 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 (approx 10 %) (e.g. 4...20 mA  $\Rightarrow$  projection 0.0...150.0)

## 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 a trimmer inside the instrument

### INSTRUMENT ACCURACY

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

### POWER SUPPLY

7...12 V AC/DC, max. 180 mA
8...32 V AC/DC, max. 100 mA, isolated

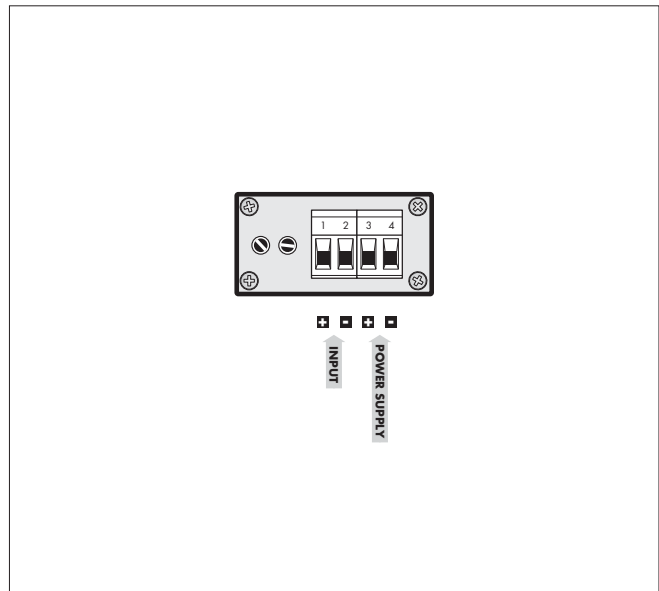
### MECHANIC PROPERTIES

Material:	Noryl GFN2 SE1, incombustible UL 94 V-I
Dimensions:	48 x 24 x 75 mm - version with isolated power supply is 95 mm long
Panel cut-out:	43,5 x 22,5 mm

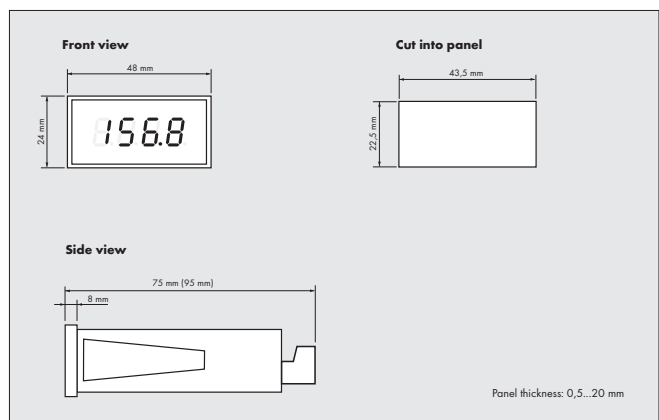
### OPERATING CONDITIONS

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

