

## OM 45PM



2003-3-en

- **4 1/2 digit projection**
- **±2; ±5; ±10 V**
- **0...5/20 mA; 4...20 mA**
- **Size of DIN 96 x 48 mm**
- **Power supply 230 VAC**

### Options

Power supply 12...24 VDC

### Description

The OM 45PM model is a low 4 1/2 digit panel process monitor designed for direct projection of analog signals in required units. 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 (approx 10 %)(e.g. 4...20 mA ⇒ projection 0.00...150.00)

## Technical data

### MEASURING RANGE

	Impedance/Max. drop
0...5 mA	< 500 mV
0...20 mA	< 500 mV
4...20 mA	< 500 mV
±2 V	1 MOhm
±5 V	1 MOhm
±10 V	1 MOhm

### PROJECTION

Display:	±19999, red or green 7-segment LED, digit height 14 mm
Decimal point:	adjustable - by shorting link under the front panel
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) + 1 digit
Rate:	1,2/2,5/5/10 measurements/s
Overload capacity:	10x (t < 30 ms), 2x (long-term)
Calibration:	at 25°C and 40 % r.h.

### POWER SUPPLY

230 VAC/50 Hz, ±10 %, 4 VA
12...24 VDC/max. 150 mA, non-isolated

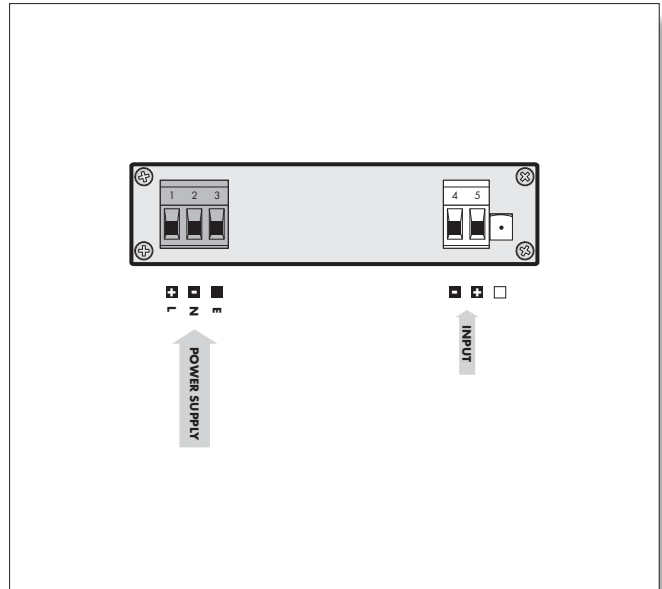
### MECHANIC PROPERTIES

Material:	Noryl GFN2 SE1, incombustible UL 94 V-I
Dimensions:	96 x 24 x 100 mm
Panel cut:	92 x 22,5 mm

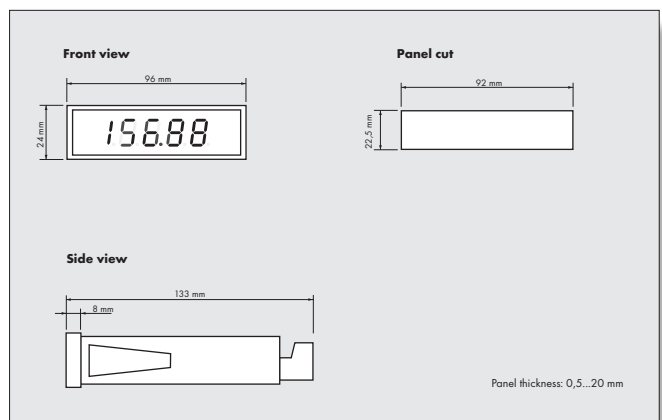
### OPERATING CONDITIONS

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)
Construction:	safety class I
Electrical safety:	EN 61010-1, A2
Overvoltage category:	for pollution degree II
EMC:	III. - instrument power supply, input (300 V) EN 61000-3-2+A12; EN 61000-4-2, 3, 4, 5, 8, 11; EN 550222, A1, A2

## Connection



## Dimensions



## Order code

