

PROCESS MONITORS

OM 45PM



- **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 analogue 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)
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

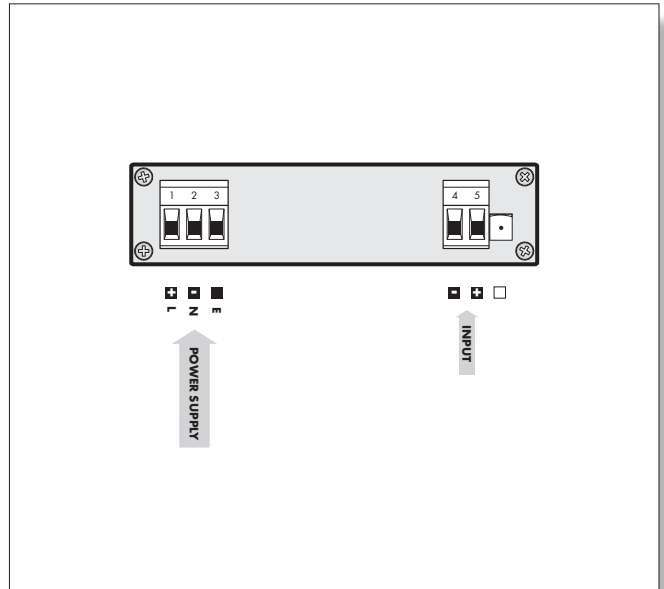
MECHANIC PROPERTIES

Material:	Noryl GFN2 SE1, incombustible UL 94 V-1
Dimensions:	96 x 24 x 100 mm
Panel cut:	92 x 22,5 mm

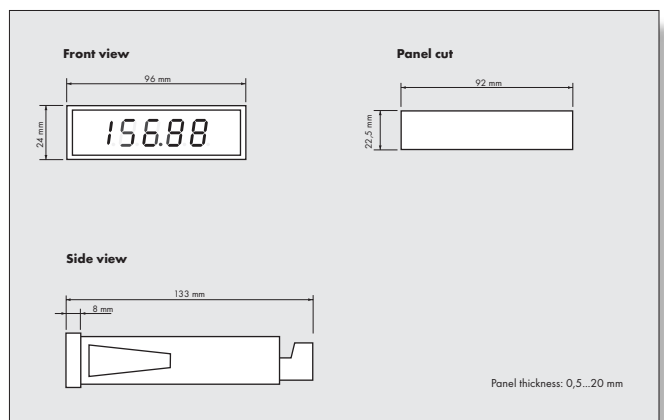
OPERATING CONDITIONS

Connection:	connector terminal board, conductor section up to 2,5 mm ²
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 55022, A1, A2

Connection



Dimensions



Order code

