

OM 45PM

Type OM 45PM is an inexpensive, low 4,5-digit panel process monitor. Thanks to its dimensions the instrument is suitable for installation into mosaic panels.

PROCESS MONITOR

- 4,5-digit projection
- Range: 0...5 mA; 0...20 mA; 4...20 mA
±2 V; ±5 V; ±10V
- Size of DIN 96 x 24 mm
- Power supply 12...24 VDC; 230 VAC

OM 45PM
PROCESS MONITOR

OPERATION

The instrument is designed for simple measurements without further control. Placement of the decimal point is selectable by a shorting link under the front panel.

CALIBRATION

Possible corrections of display projection for both limit values of input signal may be performed by trimmers situated under the front panel ($\pm 10\%$).

TECHNICAL DATA

INPUT

Number of inputs	1	
PM Range	fixed - by order	
	0...5 mA	< 500 mV
	0...20 mA	< 500 mV
	4...20 mA	< 500 mV
	±2 V	1 MΩ
	±5 V	1 MΩ
	±10 V	1 MΩ

PROJECTION

Display: ±19999, single color 7-segment LED
 Digit height: 14 mm
 Display color: red or green
 Decimal point: adjustable - by shorting link
 Brightness: adjustable - by trimmers under the front panel

INSTRUMENT ACCURACY

TC: 100 ppm/°C
 Accuracy: ±0,15% of range + 1 digit
 Rate: 1,2/2,5/5/10 measurement/s
 Overload capacity: 2x; 10x (t < 30 ms)
 Calibration: at 25°C and 40 % r.h.

POWER SUPPLY

Range: 230 VAC/50 Hz, ±10 %, 2,5 VA
 12...24 VDC/max: 2,3 W, uninsulated
 Power supply is protected by a fuse inside the instrument.

MECHANIC PROPERTIES

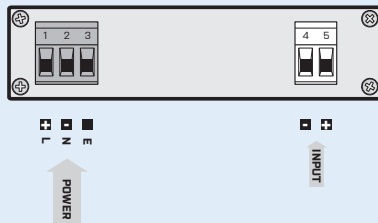
Material: Noryl GFN2 SE1, incombustible UL 94 V-1
 Dimensions: 96 x 24 x 100 mm (w x h x d)
 Panel cutout: 90,5 x 21,5 mm (w x h)

OPERATING CONDITIONS

Connection: connector terminal blocks, section < 2,5 mm²
 Stabilization period: within 5 minutes after switch-on
 Working temperature: 0°...60°C
 Storage temperature: -10°...85°C
 Protection: IP40 (front panel only)
 EL safety: EN 61010-1, A2
 Dielectric strength: 2,5 kVAC per 1 min test between supply and input
 Insulation resistance: for pollution degree II, measuring cat. III
 AC power supply > 600 V (PI), 300 V (DI)
 DC power supply, input > 300 V (PI), 150 V (DI)
 EMC: EN 61326-1

PI - Primary insulation, DI - Double insulation

CONNECTION



ORDER CODE

OM 45PM		-		□ □ □	
Power supply	230 VAC/50 Hz	1			
	12...24 VDC, uninsulated	2			
Measuring range	0...5 mA		A		
	0...20 mA		B		
	4...20 mA		C		
	±2 V		D		
	±5 V		E		
	±10 V		F		
	on request		Z		
Display color	red			1	
	green			2	

In your order kindly state the requested projection for the selected input range (e.g. input 0...20 mA > projection 0.00...100.00!)

Basic configuration of the instrument is indicated in bold.