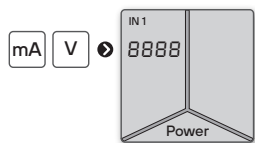


OM 45PM

- 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

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



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 (±10%).

TECHNICAL DATA

INPUT		PROJECTION		POWER SUPPLY	
No. of inputs	1 The range is fixed	Display	±19999, single color 7-segment LED	Range	10...30 V AC/DC, ±10%, PF ≥ 0.4, I _{isp} < 40 A / 1 ms, isolated 100...250 V AC/DC, ±10%, PF ≥ 0.4, I _{isp} < 40 A / 1 ms, isolated <i>Protection by fuse inside the device</i>
PM Range	0...5 mA	Digit height	14 mm	Consumption	< 23 W / 25 VA
	0...20 mA	Display color	red or green		
	4...20 mA	Decimal point	adjustable - by shorting link		
	±2 V	Brightness	adjustable - by trimmers under the front panel		
	±5 V				
	±10 V				

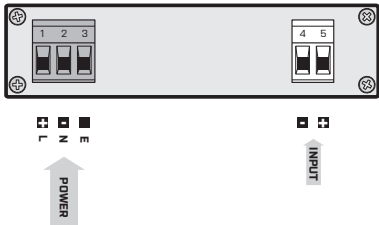
INSTRUMENT SPECIFICATION	
TC	50 ppm/°C
Accuracy	±0.15 % of FS
Rate	12...10 measurement/s
Overload	10x (t < 30 ms), 2x
Calibration	at 25°C and 40 % rh.

MECHANIC PROPERTIES	
Material	Noryl GFN2 SEI, incombustible UL 94 V-I, black
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 temperat.	0°...60°C
Storage temperat.	-20°...85°C
Working humidity	< 95 % r.v., non condensing
Protection	IP40, front panel only
Construction	safety class I
EL safety	EN 61010-1, A2
Dielectric strength	4 kVAC per 1 min test between supply and input
Insulation resist.*	for pollution degree II, measuring cat. III power supply, input > 600 V (PI), 300 (DI) input, output, excitation > 300 V (PI), 150 V (DI)
EMC	EN 61326-1:2021, Industrial area
RoHS	EN IEC 63000:2018

* 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.