



- 4½-DIGIT PROJECTION
- SIZE OF DIN 96 X 24 MM
- POWER SUPPLY 230 VAC
- Option
Power supply 12...24 VDC

OPERATION

The instrument is designed for simple measurement without further control. Placement of the decimal point is selectable by jumper under the front panel.

CALIBRATION

Contingent corrections of display projection for both limit values of input signal may be performed by trimmers from the back of the instrument ($\pm 10\%$).

OM 45

The OM 45 model series are low 4½-digit panel instruments.

For their dimensions the instruments are suitable for mosaic panels mounting applications.

OM 45DC

DC VOLTMETER AND AMMETER

OM 45PM

PROCESS MONITOR

TECHNICAL DATA

PROJECTION

Display: ±19999, red or green 7-segment LED, digit height 14 mm
Decimal point: adjustable - by jumper
Brightness: adjustable - by trimmer under front panel

INSTRUMENT ACCURACY

TC: 100 ppm/°C
Accuracy: ±0,15% of range + 1 digit
Rate: 1,2...10 meas./s
Overload capacity: 10x (t < 30 ms) - not for 200 V; 2x
Calibration: at 25°C and 40% rh.

POWER SUPPLY

230 VAC/50 Hz, ±10 %, 4 VA
 12...24 VDC/max. 150 mA, non-isolated
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
Panel cutout: 90,5 x 22,5 mm

OPERATING CONDITIONS

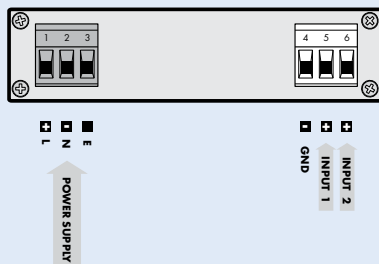
Connection: connector terminal board, section < 2,5 mm²
Stabilization period: within 15 minutes after switch-on
Working temperature: 0°...80°C
Storage temperature: -10°...85°C
Cover: IP40 (front panel only)
El. safety: EN 61010-1, A2
Dielectric strength: 2,5 kVAC after 1 min between supply and input
Insulation resistance: for pollution degree II, measuring cat. III.
 AC power supply > 600 V [P], 300 V [D]
 DC power supply, input > 300 V [P], 150 V [D]
EMC: EN 61326-1

PI - Primary insulation, DI - Double insulation

MEASURING RANGES

	DC	PM
A		0...5 mA
B	±1,9999 V	0...20 mA
C	±19,999 V	4...20 mA
D	±199,99 V	±2 V
E		±5 V
F		±10 V
J	±199,99 µA	
K	±1,9999 mA	
L	±19,999 mA	
M	±199,99 mA	
Z	on request	on request

CONNECTION



ORDER CODE

OM 45

Type

D	C	•	•	•
P	M	•	•	•

Power supply	230 VAC/50 Hz	1	
	12...24 VDC, non-isolated	2	
Measuring range , see table „Measuring ranges“		?	
Display color	red		1
	green		2

Please, state the requested projection for selected input range in your order (PM)
 (e.g.: input 0...20 mA > projection 0,00...100,00)

Default execution is shown in bold