

- 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

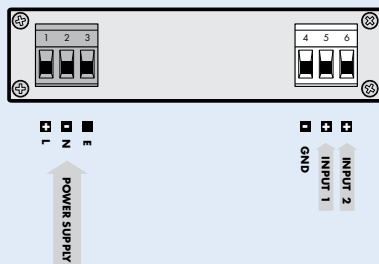
**Connection:** connector terminal board, section < 2,5 mm<sup>2</sup>  
**Stabilization period:** within 15 minutes after switch-on  
**Working temperature:** 0°...60°C  
**Storage temperature:** -10°...85°C  
**Cover:** IP40 (front panel only)  
**El. safety:** EN 61010-1, A2  
**Dielectric strength:** 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
<b>A</b>		0...5 mA
<b>B</b>	±1,9999 V	0...20 mA
<b>C</b>	±19,999 V	4...20 mA
<b>D</b>	±199,99 V	±2 V
<b>E</b>		±5 V
<b>F</b>		±10 V
<b>J</b>	±199,99 µA	
<b>K</b>	±1,9999 mA	
<b>L</b>	±19,999 mA	
<b>M</b>	±199,99 mA	
<b>Z</b>	on request	on request

## CONNECTION



## ORDER CODE

### OM 45

Type

<b>D</b>	<b>C</b>	•	•	•
<b>P</b>	<b>M</b>	•	•	•

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

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