

## OM 45DC



2003-3-en

- **4 1/2 digit projection**
- **±1,9999 V...±199,99 V**
- **±199,99 μA ...±199,99 mA**
- **Size of DIN 96 x 24 mm**
- **Power supply 230 VAC**

### Options

Power supply 12...24 VDC

### Description

The OM 45DC model is a low 4 1/2 digit panel DC voltmeter/ammeter. 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 may be performed by a trimmer under the front panel (approx 10 %).

## Technical data

MEASURING RANGE		Impedance/Max. drop	
Voltage:	$\pm 1,9999$ V	1 MOhm	Input 1
	$\pm 19,999$ V	1 MOhm	Input 1
	$\pm 199,99$ V	1 MOhm	Input 2
Current:	$\pm 199,99$ $\mu$ A	< 500 mV	Input 1
	$\pm 1,9999$ mA	< 500 mV	Input 1
	$\pm 19,999$ mA	< 500 mV	Input 1
	$\pm 199,99$ mA	< 500 mV	Input 1
	$\pm 199,99$ mA	< 500 mV	Input 1

### PROJECTION

Display:  $\pm 19999$ , 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/ $^{\circ}$ C  
 Accuracy:  $\pm 0,15$  % of range  
 Rate: 1,2/2,5/5/10 measurements/s  
 Overload capacity: 10x ( $t < 30$  ms), 2x (long-term)  
 Calibration: at 25 $^{\circ}$ C and 40 % r.h.

### POWER SUPPLY

230 VAC/50 Hz,  $\pm 10$  %, 4 VA  
 12...24 VDC/max. 150 mA, non-isolated

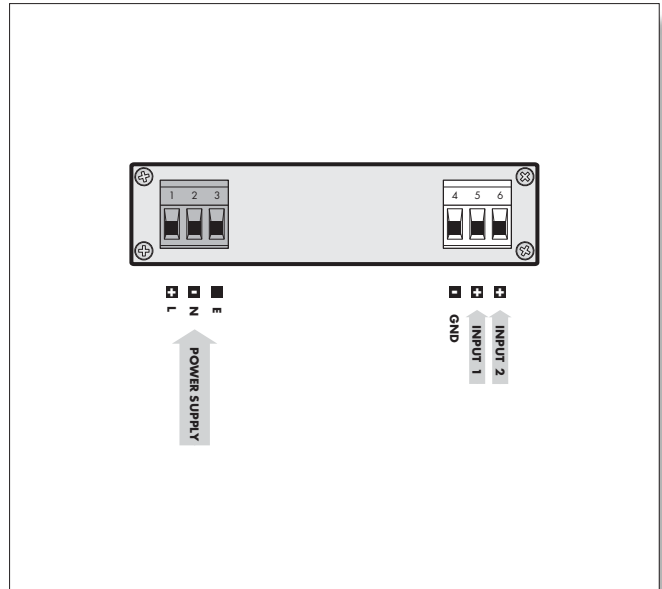
### MECHANIC PROPERTIES

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

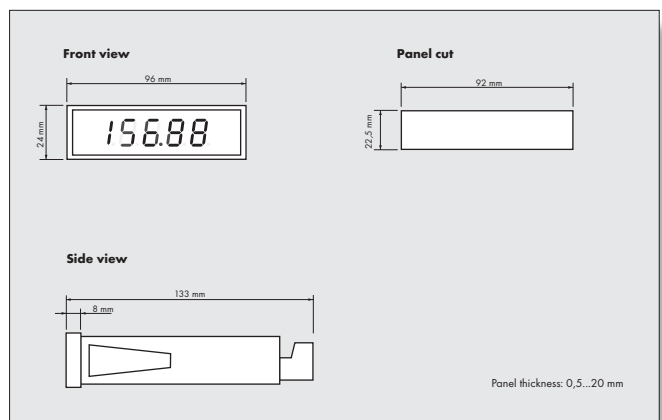
### OPERATING CONDITIONS

Connection: connector terminal board, conductor section up to 2,5 mm<sup>2</sup>  
 Stabilization period: within 15 minutes after switch-on  
 Working temperature: 0 $^{\circ}$ ...60 $^{\circ}$ C  
 Storage temperature: -10 $^{\circ}$ ...85 $^{\circ}$ C  
 Covering: IP40 (front panel only)  
 Construction: safety class I  
 Electrical safety: EN 61010-1, A2  
 Overvoltage category: for pollution degree II  
 EMC: III. - instrument power supply (300 V)  
 EN 61000-3-2+A12; EN 61000-4-2, 3, 4, 5, 8, 11; EN 550222, A1, A2

## Connection



## Dimensions



## Order code

