

## OM 45DC



- **4 1/2 digit projection**
- **$\pm 1,9999 \text{ V} \dots \pm 199,99 \text{ V}$**
- **$\pm 199,99 \mu\text{A} \dots \pm 199,99 \text{ mA}$**
- **Size of DIN 96 x 24 mm**
- **Power supply 230 VAC**

### Extension

Power supply 12...24 VDC

### Description

The OM 45DC model is a low 4 1/2 digit panel 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:	±199,99 mV	1 MOhm	Input A
	±1,9999 V	1 MOhm	Input A
	±19,999 V	1 MOhm	Input A
	±199,99 V	1 MOhm	Input B
Current:	±199,99 µA	< 260 mV	Input A
	±1,9999 mA	< 260 mV	Input A
	±19,999 mA	< 260 mV	Input A
	±199,99 mA	< 200 mV	Input A

### PROJECTION

Display:	±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:	50 ppm/°C
Accuracy:	±0,1 % of range
Rate:	1,2/2,5/5/10 measurements/s
Overload capacity:	10x (t < 100 ms), 2x (long-term)
Calibration:	at 25°C and 40 % r.h.

### POWER SUPPLY

230 VAC/50 Hz
12...24 VDC/max. 150 mA, non-isolated

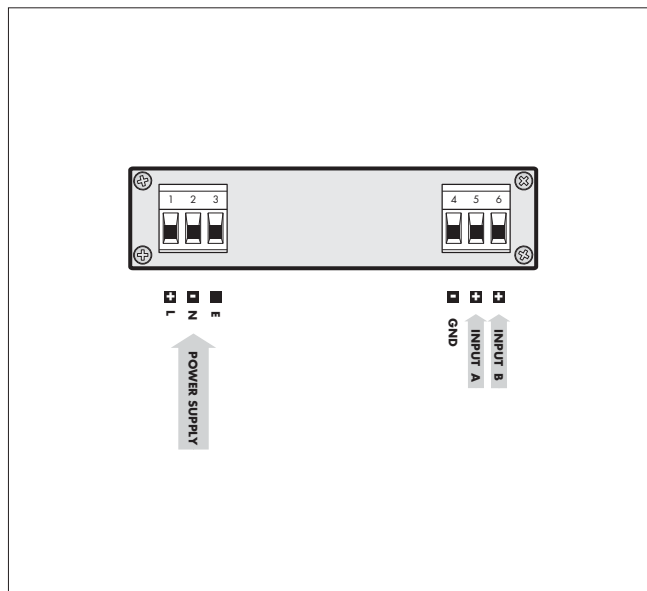
### MECHANIC PROPERTIES

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

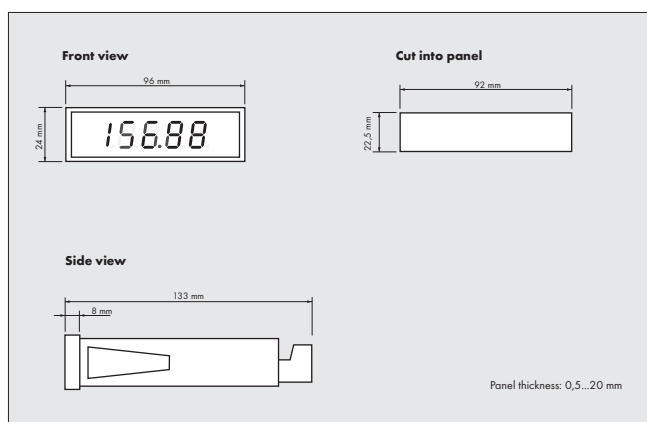
### OPERATING CONDITIONS

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°...60°C
Storage temperature:	-10°...85°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 55022, A1, A2

## Connection



## Dimensions



## Order code

