

## OMM 37DC



2003-3-en

- **3 1/2 digit projection**
- **±199,9 mV...±199,9 V**
- **±199,9 μA...±199,9 mA**
- **Size of DIN 48 x 24 mm**
- **Power supply 7...12 V AC/DC**

### Options

Power supply 7...30 V AC/DC, isolated

### Description

The OMM 37DC model is a miniature 3 1/2 digit panel DC voltmeter/ammeter with great accuracy and stability. For its dimensions it is suitable for mosaic panels mounting applications.

### Options

**Isolated supply** with the range of 7...30 VDC is designed for applications, where it is necessary to use galvanic separation from the input signal.

### 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 from the back of the instrument (approx.10%).

## Technical data

### MEASURING RANGE

		Impedance/Max.drop
Voltage:	$\pm 199,9$ mV	1 MOhm
	$\pm 1,999$ V	1 MOhm
	$\pm 19,99$ V	1 MOhm
	$\pm 199,9$ V	1 MOhm
Current:	$\pm 199,9$ $\mu$ A	< 260 mV
	$\pm 1,999$ mA	< 260 mV
	$\pm 19,99$ mA	< 260 mV
	$\pm 199,9$ mA	< 260 mV

### PROJECTION

Display:	$\pm 1999$ , red or green 7-segment LED, digit height 9,1 mm
Decimal point:	adjustable - by shorting link
Brightness:	adjustable - by trimmer inside the instrument

### INSTRUMENT ACCURACY

Tempco:	100 ppm/ $^{\circ}$ C
Accuracy:	$\pm 0,15$ % of range + 1 digit
Rate:	2,5 measurements/s
Overload capacity:	10x ( $t < 30$ ms) - does not apply for 200 V, 2x (long-term)
Calibration:	at 25 $^{\circ}$ C and 40 % r.h.

### POWER SUPPLY

7...12 V AC/DC, max. 100 mA (DC), 60 mA (AC)
7...30 V AC/DC, max. 160 mA (DC), 280 mA (AC), (24 VDC/55 mA), isolated

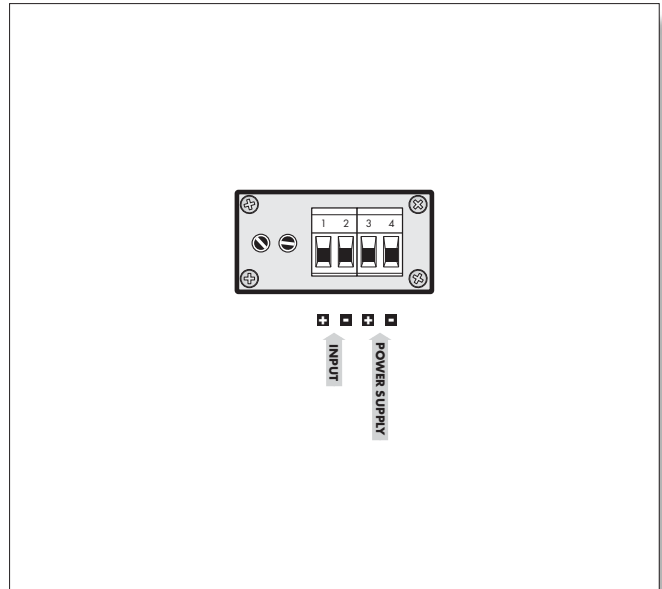
### MECHANIC PROPERTIES

Material:	Noryl GFN2 SE1, incombustible UL 94 V-I
Dimensions:	48 x 24 x 72 mm
Panel cut:	43,5 x 22,5 mm

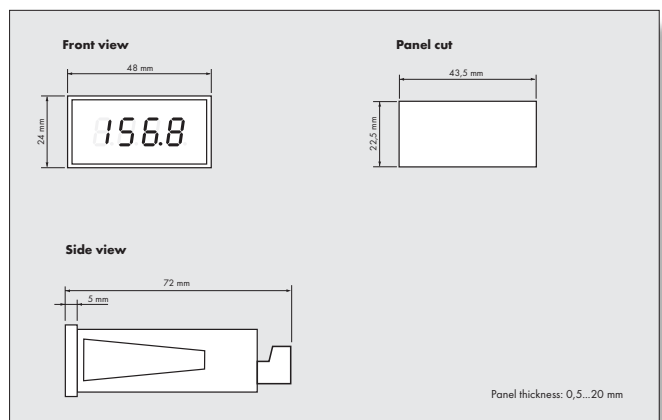
### OPERATING CONDITIONS

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:	IP42 (front panel only)
Overvoltage category:	for pollution degree II II - instrument power supply (300 V)

## Connection



## Dimensions



## Order code

