

OMM 37DC



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

Extension

Power supply 8...32 V AC/DC

Description

The OMM 37DC model is a miniature 3 1/2 digit panel direct-current voltmeter/ammeter with great accuracy and stability. 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 from the back of the instrument (approx 10 %).

Options

Isolated supply with the range of 7...28 VDC is designed for applications, where it is necessary to use galvanic separation from the input signal.

Technical data

MEASURING RANGE		Impedance/Max. drop
Voltage:	±199,9 mV	1 MOhm
	±1,999 V	1 MOhm
	±19,99 V	1 MOhm
	±199,9 V	1 MOhm
Current:	±199,9 µA	< 260 mV
	±1,999 mA	< 260 mV
	±19,99 mA	< 260 mV
	±199,9 mA	< 260 mV

PROJECTION

Display:	±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/°C
Accuracy:	±0,2 % of range
Rate:	2,5 measurements/s
Overload capacity:	10x (t < 100 ms) - does not apply for 200 V, 2x (long-term)
Calibration:	at 25°C and 40 % r.h.

POWER SUPPLY

7...12 V AC/DC, max. 180 mA
8...32 V AC/DC, max. 100 mA, isolated

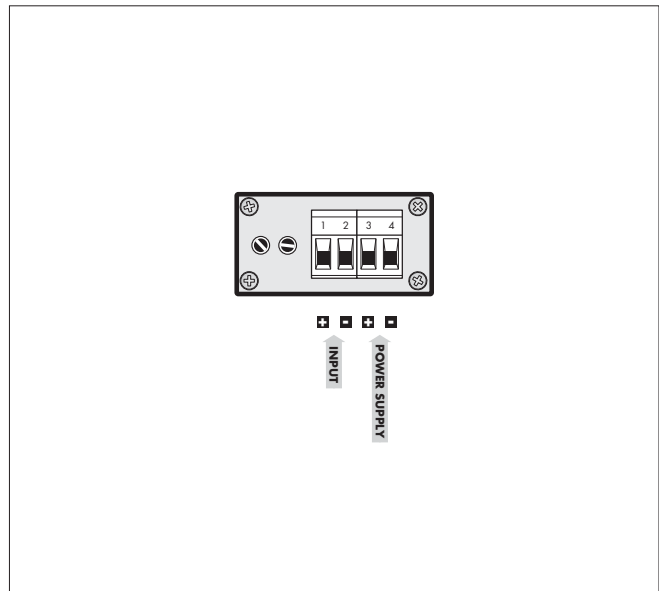
MECHANIC PROPERTIES

Material:	Noryl GFN2 SE1, incombustible UL 94 V-I
Dimensions:	48 x 24 x 75 mm - version with isolated power supply is 95 mm long
Panel cut-out:	43,5 x 22,5 mm

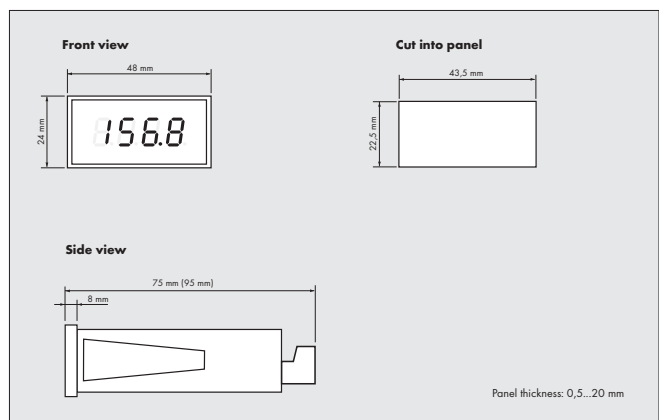
OPERATING CONDITIONS

Connection:	connector terminal board, conductor section up to 2,5 mm ²
Stabilization period:	within 15 minutes after switch-on
Working temperature:	0°...60°C
Storage temperature:	-10°...85°C
Covering:	IP42 (front panel only)
Overvoltage category:	for pollution degree II II. - instrument power supply (300 V)

Connection



Dimensions



Order code

