

OMM 37DC



- **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.

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.

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.

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: | ±0,15 % of range |
| Rate: | 2,5 measurements/s |
| Overload capacity: | 10x (t < 30 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. 100 mA (DC), 60 mA (AC) |
| 7...30 V AC/DC, max. 160 mA (DC), 280 mA (AC), (24 VDC/55 mA), isolated |

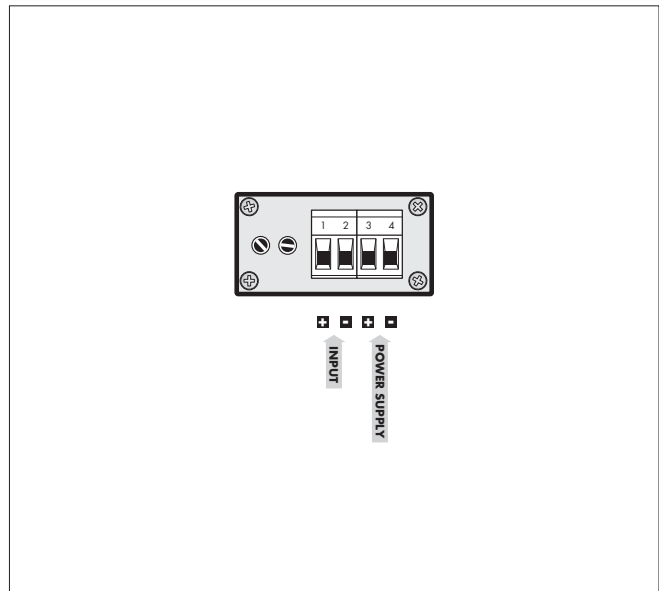
MECHANIC PROPERTIES

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

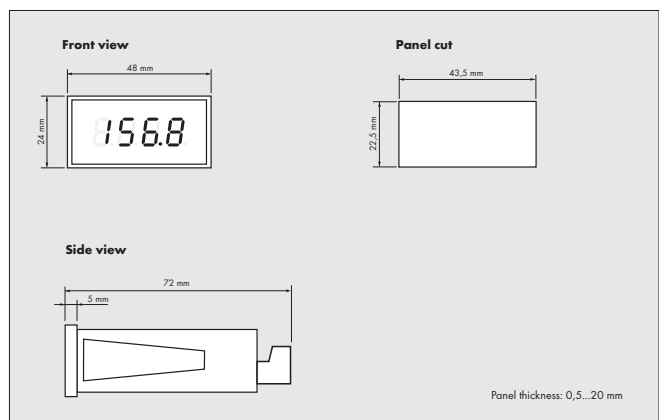
OPERATING CONDITIONS

| | |
|-----------------------|---|
| Connection: | connector terminal board, conductor section up to 2,5 mm 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

