

OMM 37RTD



- **3 1/2 digit projection**
- **Pt 100**
- **-20° ...140° C**
- **Size of DIN 48 x 24 mm**
- **Power supply 7...12 V AC/DC**

2003-3-en

Options

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

Description

The OMM 37RTD model is a miniature 3 1/2 digit panel thermometer for sensors Pt 100 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.

Calibration

Compensation upon 2-wire connection is performed by a trimmer under the front panel.

Technical data

MEASURING RANGE

Tempo: -20°...140°C
 Type: Pt 100 - 3 860 ppm/°C (EU)
 Connection: 2 wire

PROJECTION

Display: ±1999, red or green 7-segment LED, digit height 9,1 mm
 Decimal point: fixed
 Brightness: adjustable - by trimmer inside the instrument

INSTRUMENT ACCURACY

Tempo: 100 ppm/°C
 Accuracy: ±0,8 % of range + 1 digit
 Rate: 2,5 measurements/s
 Resolution: 1°C
 Calibration: at 25°C and 40 % r.h.

POWER SUPPLY

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

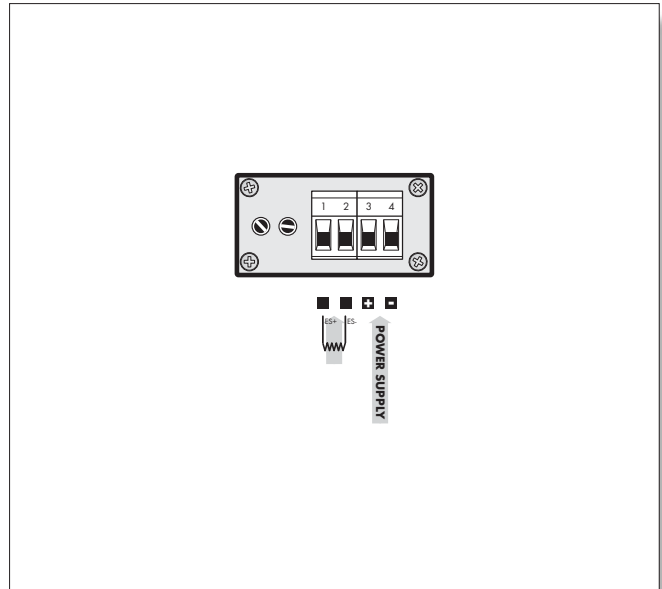
MECHANIC PROPERTIES

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

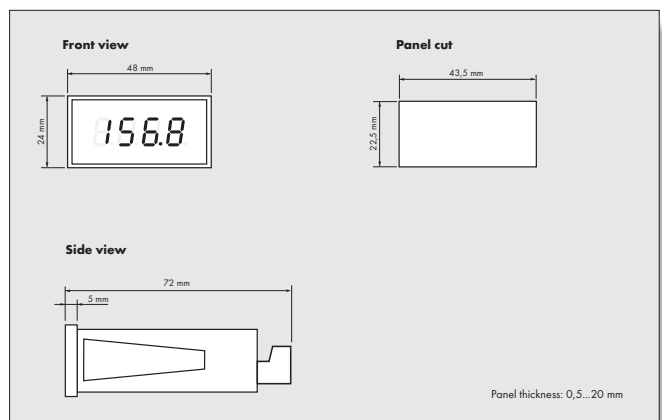
OPERATING CONDITIONS

Connection: connector terminal board, conductor section up to 2,5 mm²
 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

