

OM 36OHM



- **3 1/2 digit projection**
- **0...19,99 kOhm / 5...105 Ohm**
- **Size of DIN 96 x 48 mm**
- **Power supply 230 VAC**

Extension

Analogue output • Power supply: 24 /110 VAC, 8...32 VDC

Description

The OM 36OHM model is a 3 1/2 digit panel ohmmeter with great accuracy and stability.

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 %).

Options

Analogue outputs will find their place in applications where further evaluating or processing of measured data is required in external devices. We offer several types of current or voltage non-isolated outputs. The analogue output value corresponds with the input signal.

Technical data

MEASURING RANGE

0...199,9 Ohm
 0...1.999 kOhm
 0...19,99 kOhm
 5...105 Ohm

Connection: 2 or 4 wire

PROJECTION

Display: 1999, red or green 7-segment LED, digit height 14 mm
 Decimal point: adjustable - by shorting link under the front panel
 Brightness: adjustable - by potentiometer under the front panel

INSTRUMENT ACCURACY

Tempco: 100 ppm/°C
 Accuracy: ±0,2 % 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.

ANALOGUE OUTPUTS

Type: non-isolated, analogue output corresponds with the input signal
 Non-linearity: 0,3 % of range
 Tempco: 100 ppm/°C
 Rate: response to change of value < 100 ms
 Voltage: 0...2 V, 0...5 V, 0...10 V
 Current: 0/4...20 mA (compensation of conduct up to 600 Ohm)

POWER SUPPLY

24/110/230 VAC, 50/60 Hz
 12...24 VDC/150 mA (without analogue output)
 8...32 VDC/max. 300 mA, (24 VDC/max. 150 mA), isolated

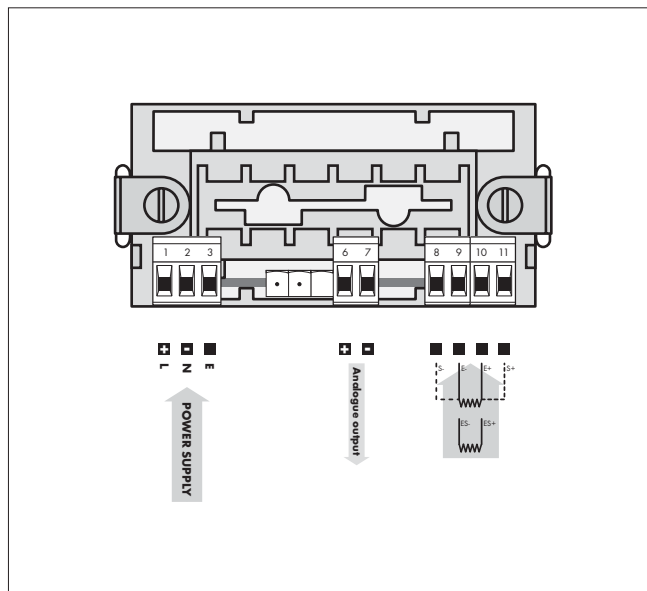
MECHANIC PROPERTIES

Material: Noryl GFN2 SE1, incombustible UL 94 V-I
 Dimensions: 96 x 48 x 110 mm
 Panel cut-out: 92 x 45 mm

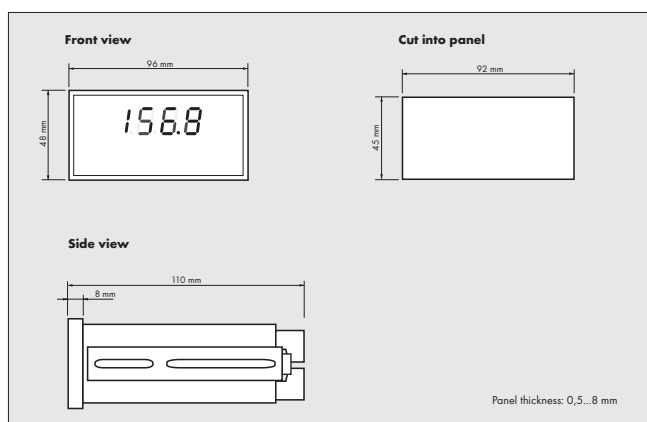
OPERATING CONDITIONS

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, upon request IP64 (front panel only)
 Construction: safety class I
 Electrical safety: EN 61010-1, A2
 Overvoltage category: for pollution degree II
 III. - instrument power supply (300 V)
 II. - input, output (300 V)
 EMC: EN 61000-3-2+A12; EN 61000-4-2, 3, 4, 5, 8, 11; EN 550222, A1, A2

Connection



Dimensions



Order code

