



**Reference Thermometer Type LRT 3**  
**Comparison Reference for thermometers**

- check and calibrate by comparison

The reference thermometer LRT 3 is a comparison reference for checking and calibrating all kind of thermometer.

The system consists of a battery powered digital indicator and a pre-aged precision sensor with range -150 ... +450°C.

**Technical Data:**

Range: -150 ... +450°C

Accuracy \*: 0.01°C (at 0°C); 0.02°C (-40...+200°C); +1 Digit

Temperature coefficient: +1 mK / K based on 20°C ambient temperature

Resolution: 0.01°C (-100 ... +200°C); elsewhere 0.1°C

Response time: 10 s

Principle: Pt 100 (4-wire)

Operating temperature: 0 ... 50°C

Power supply: 4 x battery 1.5 V (AA), Alkali-Mangan, included in shipment

Battery life: typical > 500 hours

Functions:        HOLD ("freeze" displayed value)  
                      MAX (maximum value storage, since last switch-on)  
                      MIN (minimum value storage, since last switch-on)  
                      AVG (average value)  
                      DATE (date of the integrated realtime clock)  
                      TIME (time of the integrated realtime clock)  
                      AutoOFF (automatic switch off after adjustable time period)  
                      CAL, POLY-CAL (calibration)  
                      °C/°F (temperature unit)  
                      Display backlight

Weight (indicator): appr. 400 g

Dimension (indicator): 147 x 85 x 37 mm

Dimension (sensor): 300 x 4 mm + grip

Cable length: appr. 2 m (PUR-cable and grip suitable for max. +80°C)

Usage: gaseous, fluid and powdery media



\* at 20°C ambient temp.

**Included in standard supply:**

- pre-aged sensor, paced-off
- indicator, adjusted accordingly
- transport and carrying case
- certificate (without list of values)

**Options:**

- Factory calibration certificate with 5 temperature points
- DKD calibration certificate with 5 temperature points

