

Reference Thermometer Type LR-Cal LRT 750 Comparison Reference for thermometers

- check and calibrate temperature by comparison

The reference thermometer **LR-Cal LRT 750** is a comparison reference for checking and calibrating all kind of thermometer.

The system consists of a battery powered digital handheld indicator and a pre-aged precision sensor with temperature range $-200\dots+450^{\circ}\text{C}$.



Technical Data LR-Cal LRT 750:

Measuring range: $-200\dots+450^{\circ}\text{C}$ (switchable to $^{\circ}\text{F}$)

Accuracy (@ 20°C ambient temp.): 0.03K from $-50\dots+199.9^{\circ}\text{C}$; 0.05K from $-200\dots-50.01^{\circ}\text{C}$, elsewhere $0,05\%$ of meas.v.

Display: LCD 4 1/2 digits, two lines, with back light, Resolution 0.01K up to 200°C , elsewhere 0.1 K

Response time t_{90} : 12 sec.

- Functions:
- Measurement rate (4/sec = „fast“ and 1/sec = „slow“)
 - MIN and MAX values
 - Hold and Average
 - Zero
 - Integr. real time clock

Supply: 9 VDC battery; typical life time about 20 hours of operating

Permissible temperatures: Operation $0\dots40^{\circ}\text{C}$; Storage $-10\dots+50^{\circ}\text{C}$

Housing: rigid ABS plastic, transparent window.

Weight: approx. 350 g

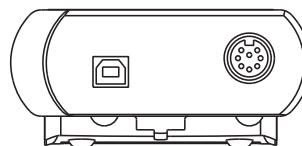
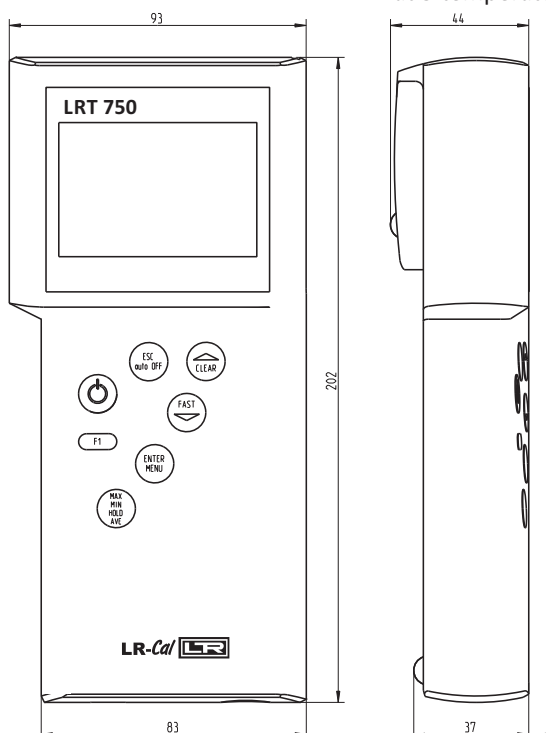
Dimension Pt 100 sensor: 300 mm insertion length x 3 mm diameter, with handle and connection cable.

Order-Code LRT-750-WKZ:

Handheld with sensor and traceable factory certificate of calibration at 5 temperature points $0^{\circ}\text{C} + 50^{\circ}\text{C} + 100^{\circ}\text{C} + 150^{\circ}\text{C} + 200^{\circ}\text{C}$

Order-Code LRT-750-DKD:

Handheld with sensor and DKD/DAkKS certificate at 5 temperature points $0^{\circ}\text{C} + 50^{\circ}\text{C} + 100^{\circ}\text{C} + 150^{\circ}\text{C} + 200^{\circ}\text{C}$



- Scope of supply:**
- Handheld indicator, adjusted
 - Reference sensor, paced-off
 - Certificate of calibration:
Order-Code **LRT-750-WKZ**: factory, traceable;
Order-Code **LRT-750-DKD**: DKD/DAkKS
 - Carrying case with custom foams
 - 9V battery

