

# LDT 2000

Accurate thermometer for measuring temperature with two-channel with platinum resistance Pt-100. The measurement range is -273 °C ... 350 °C.

The LDT 200 thermometer has an accuracy of 0.01 °C, optionally 0.007 °C. It also has a high resolution 0.001 °C.

The LDT 2000 not require regular recalibration by inverting circuits AC, eliminating thermal effects. Drift (Thermal EMF) via a RS232 interface or USB communication. Allows the ability to record using PC.

## APPLICATIONS

Calibration laboratories  
 Testing labs  
 Climate chambers  
 Research  
 Development  
 Viscometers

## HIGHLIGHTS

Standard accuracy 0.02 °C  
 Optional accuracy 0.007 °C  
 Resolution 0.001 °C (1mK)  
 Measuring range -273 ... +350 °C  
 Rank 0 ... 230 Ohm Ω  
 2 channel  
 Log (data logger)  
 Software included



### Technical characteristics

Temperature measurement range	-273 °C ... +350 °C (resistance measuring range: 0 ... 230Ω)
Resolution	Optional: -150... +850 °C
Accuracy	0.001 °C (1mK), noise ≤ 1mK
Measuring current Pt-100	±0.007 °C in the range 0 °C ... 100 °C
Automatic heating power Pt-100	LDT 2000: 0,23mA ±10%
Additional equipment	LDT 2000: 5,8μW to 0°C 1 extension cable 1.8 m for the temperature probe 230 VAC ±10%, 45 ... 65 Hz



<b>Feeding</b>	4 VA max. 2 VA typical
<b>Power consumption</b>	2 x 50 mA 250 V; 5 x 20 mm
<b>Fuses</b>	Feeding 230V – IEC C14
<b>Connectors</b>	2 x 6-pin connectors FA Connecting land takes 4 mm B USB connector - USB Interface DB9 – RS – 232 interface
<b>RS232 parameters</b>	Transmission speed: 9600; data bits: 8; parity: no; stop bits: 1
<b>Standard USB</b>	USB 1.0
<b>Communication protocol</b>	SCPI support
<b>Temperature range</b>	Storage: -10 °C ... +60 °C Usage: 10 °C ... 40 °C, non-condensing

