



Description

The laboratory electronic thermometer **LTA-K** is intended for use in certification of climatic chambers and drying cabinets.

The compact temperature sensor paired with flexible cable allows the user to access the hardest to reach places of the equipment under test.

LTA-K can be utilized as a general-purpose precise thermometer for reading contact temperature measurements of liquid, granular, and gaseous non-aggressive media.

Sensor Features

- Based on Pt100 thin film platinum element with custom calibration.
- Probe made of AISI 316 stainless steel.
- Flexible and durable silicone rubber insulated connection cable has a wide range of operating temperatures.

Features & Benefits

- The novel ergonomic design of the electronic unit allows it to be placed on a horizontal surface or securely fixed on vertical metal surfaces of laboratory furniture or sidewalls of baths using the built-in magnets.
- Utilizing carefully selected temperature sensors and modern electronic components provides excellent accuracy and long-term stability of temperature measurement.
- The thermometer can record the measurement results to the internal memory; calculate the minimum, average, and maximum value of the measured temperature.
- A custom designed LCD provides a convenient display of the operating modes and readings.
- The temperature sensor connection is placed in a safe location, protected from accidental damage.
- Two standard AAA batteries provide long operating time and do not require a special tool to replace.
- Built-in USB-interface for data transferring to a personal computer.

Technical Specifications

Measured temperature range	-50...+200 °C
Calibrated temperature accuracy	±0.05 °C
Temperature resolution	adjustable 0.1, 0.01 or 0.001 °C
Temperature response for 50% step change at water flow 0.4 mm/s	7 s
Minimum depth of sensor insertion	full
Dimensions: <ul style="list-style-type: none"> • electronic unit W×D×H • temperature sensor 	80×75×100 mm Ø4×50 mm
Weight	0.25 kg
Power supply	Two AAA-size 1.5 V batteries