



### Description

The **LT-300-N** thermometer may be used anywhere a glass thermometer or other type thermometer usually used.

The **LT-300-N** incorporates glass thermometer simplicity with the ease of a digital display. Like precision mercury thermometers, the **LT-300-N** has high accuracy, repeatability and long-term stability. However, unlike those thermometers, it is hard to break it down and there will never be problems with hazardous material cleanup.

Unlike most electronic thermometers, the battery powered **LT-300-N** has no wires to get in the way. Due to low power consumption, the **LT-300-N** can operate for about a year on one set of two AAA batteries.

### Sensor Features

- Based on Pt1000 thin film platinum element with custom calibration.
- Stem made of 304 stainless steel.
- Besides 240 mm conventional sensor, stem lengths from 90 up to 550 mm are available.
- Connected directly or through an extension cable at ambient temperature up to +70 °C.
- Not intended for measuring into acids and alkalis.

### Features & Benefits

- High-grade accuracy, excellent repeatability and superb long-term stability.
- Easy-to-see readout.
- Low power consumption.
- Reliability and usability.
- Connection to PC to create a temperature measurement system. Regular connection is via a serial port, for connection via USB interface LT-300-A adapter is required.

### Technical Specifications

Measured temperature range	-50...+300 °C
Calibrated temperature accuracy:	
• in the range of -50.00...+199.99 °C	±0.05 °C
• in the range of +200.0...+300.0 °C	±0.2 °C
Temperature resolution:	
• in the range of -50.00...+199.99 °C	0.01 °C
• in the range of +200.0...+300.0 °C	0.1 °C
Temperature response for 50% step change at water flow 0.4 mm/s	5 s
Minimum depth of sensor insertion	75 mm
Dimensions W×D×H	75×80×35 mm
Sensor dimensions	Ø3×260 mm
Weight	0.2 kg
Power supply	Two AAA-size 1.5 V batteries