LDT 100

The LDT 100 portable thermometer, for universal use and mobile temperature measurement under the most demanding conditions, stands out for its accuracy, flexibility, and ease of use.

With a high accuracy of ±0.05°C in the range of -50 to +250°C [-58 to +482°F], this thermometer can also be used as a reference instrument in the biotechnology, pharmaceutical, and food industries.

The LDT 100 is ideal for all service and maintenance tasks.

Thanks to its practical design, the instrument can be easily taken anywhere for quick system tests. The paperwhite display allows for a battery life of approximately 500 hours in continuous operation.

APPLICATIONS

Biotechnology industry
Pharmaceutical industry
Food industry
Maintenance Service
Quick testing on systems

HIGHLIGHTS

High accuracy of ±0.05 °C
Adjustable resolution
Screen with automatic alignment
Compact and portable design
Easy and intuitive use
Includes traceable calibration certificate
Maintenance Service
Quick testing on systems

General Data

High accuracy of ±0.05 °C in the range of -50 ... +250 °C [-58 ... +482 °F]

Adjustable resolution: 0.01°C / 0.01°F or 0.1°C / 0.1°F

50 x 26 mm Paperwhite display with auto-alignment to show measurements in °C and °F

MAX/MIN measurement, Average,

Portable, compact and lightweight design for mobile measurements with ease of use

Battery life of up to 500 hours of continuous operation. (Auto-Off function).

Quick testing on systems

Includes traceable calibration certificate at 0, 75 and 150 ºC

Tecnical Data

Temperature range	High accuracy of ±0.05 °C in the range of -50 ... +250 °C [-58 ... +482 °F]
Temperature sensor	PT100 compliance with EN 60751
Precision:	±0,05 °C (-20 ... +180 °C)
Resolution	0.01°C / 0.01°F or 0.1°C / 0.1°F (adjustable)
Working temperature	0…50ºC
Battery life	500 hours of continuous operation
Feeding	2 x 1.5V AA (interchangeable)
Measurement interval:	0.5 seconds
Probe dimensions	215 x 6 mm (reduction at the tip of 30 x 4 mm)
Protection	IP54

Thermometer available in 2 versions

Version L: Sheath 315 x 6 mm + tip reduction 30 x 4 mm

Version C: Seath 215 x 6 mm + 30 x 4 mm tip reduction

Equipment dimensions

Version L: 355 x 110 x 60 mm

Version C: 255 x 110 x 60 mm

Weight (g)	Version L: 200 g // Version C: 165 g

Scope of delivery

LDT 100 Basic Instrument

Carrying case

Calibration certificate 3.1 traceable at 0, 75 and 150 ºC

1 year warranty

Battery 2 x 1.5 V AA (LR6) (Approx. 500 Hours).

Instruction manual

Optional

Other accessories available upon request

ISO 17025 ENAC calibration certificate