



LCA 50

The Leyro LCA 50 temperature calibrator microbath with temperature range of 30 °C ... 225 °C / 86 °F ... 437 °F. It offers an immersion depth of 190 mm and adiameter of 60mm , allowing a higher range.

Leyro Instruments offer the best calibration bath performance for the most demanding accurate calibrations. Thanks to adjustable magnetic stirrer with potentiometer can homogenize the calibration area, which makes it one of the most reliable equipment due to its high stability of $\pm 0.01^{\circ}\text{C}$ accuracy of $\pm 0,1^{\circ}\text{C}$ and excellent uniformity $\pm 0.05^{\circ}\text{C}$



APPLICATIONS

Calibration Laboratories
Testing Labs
Universities / R & D
Chemical / Pharmaceutical Industry
Food industry
Maintenance Service

HIGHLIGHTS

Fast Response Time
Temperature range 30 ... 225°C /
External Reference Temperature
Immersion depth: 190 mm
Resolution : $\pm 0,1 / \pm 0,01 / \pm 0,001^{\circ}\text{C}$
Accuracy: $\pm 0,1^{\circ}\text{C}$
Stability $\pm 0,01^{\circ}\text{C}$
Uniformity: $\pm 0,05^{\circ}\text{C}$
Portable
3 Years Warranty

General information

User interface with a touch screen of 4,3 inches
Data recorder functions 80 Mb internal memory
Function of 40 programs
Adjustable speed magnetic stirrer by potentiometer
Trend Graph
Ethernet communication and two USB ports
Barcode reader
Ethernet Communications and 2 USB ports
External Reference PT 100 4 Wires probe



Technical data

Operating temperature range (°C)	30 ... 225 °C / 86...437°F
Temperature control	Temperature control Ext/ Int PT100 (3/4 Wires) Switch
Temperature stability (°C)	±0.01 °C
Uniformity	±0.05 °C
Resolution	±0.1 / ± 0,01/ ±0,001°C
Accuracy	±0,1°C
Well Diameter	60 mm
Immersion depth	190 mm
Well capacity	0.7 liters
Warm-up time	25 to 220°C : 42 Minutes
Cooling time	220 to 100°C: 35 Minutes
Housing and assembly	Portable
Dimensions An x La x Al (cm)	280 x 370 x 440
Weight (kg)	13.2 kg
Power	310 W
Supply	110 ... 230 Vac 50/60 Hz

Scope of delivery

Basic instrument LCA 50
Power Cord
Teflon magnetic stirrer; basket; 1,5 m power cord cable and metal lid
Drain Pump
Traceable Certificate 3.1 (8 Points of calibration)
English manual

Optional

Pt 100/ 4 Hilos
External control function.
Methacrylate lid with 6 inserts.
Trolley transport case with wheels and handle.
ENAC / ISO 17025 calibration certificate

