

LCA 50

Advanced calibration microbath with temperature range of 30 °C ... 225 °C, 86 °F ... 437 °F. It offers an immersion depth of 190 mm / 7.48 inch and a diameter of 60mm / 2.36 in, 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 0.01°C / 0.05 °F, accuracy of 0,1 °C and excellent uniformity 0.05 °C / 0.09 °F.



APPLICATIONS

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

HIGHLIGHTS

Fast response time
Temperature range 30...225°C
86°F...437°F
Temperature control:
internal/external
Immersion depth: 190mm / 7.48
inch
Stability: 0.01°C / 0.05°F
Resolution: 0.1°C / 0.01 / 0.001°C
Accuracy: 0.1°C / 0.2°F
Uniformity: 0.05°C /

General Information

PID temperature controller with color touch screen 4.3 inch
Recorder functions
Programs and trend graphs
Adjustable speed magnetic stirrer by potentiometer
High temperature stability up to $\pm 0.01^{\circ}\text{C}$ / $\pm 0.05^{\circ}\text{F}$
Lower temperature uniformity of $\pm 0.05^{\circ}\text{C}$ / $\pm 0.09^{\circ}\text{F}$
Integrated Pt100 sensor for reference temperature measurements
Communications Ethernet and two USB ports
Temperature chamber with basket for temperature sensors to be calibrated

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 /0.05 °F
Uniformity	±0.05 °C / 0,09 °F
Resolution	0.1 / 0,01/ 0,001°C
Accuracy	0,1°C / 0,2°F
Well Diameter	60 mm /2,36 inch
Immersion depth	190 mm / 7,48 inch
Well capacity	0.7 liters
Warm-up time	25 to 220°C : 42 Minutes / 77 to 428 °F: 42 Minutes
Cooling time	220 to 100°C: 35 Minutes / 428 to 212 °F: 35 Minutes
Housing and assembly	Portable
Dimensions An x La x Al (cm)	280 x 370 x 490
Weight (kg)	15.2 kg
Supply	110 ... 230 Vac 50/60 Hz

Scope of Delivery

Basic instrument LCA 50
Teflon magnetic stirrer, basket, 1.5m. cable and metal lid.
Traceable Certificate 3.1
English Manual

Optional

Trolley transport case with wheels and handle
ENAC / ISO 17025 calibration certificate
Methacrylate lid with 5 inserts
Temperature control Ext/Int (switch)

