

LCA 30

Advanced calibration bath with temperature range of - 35°C ... 165°C.* -31°F ... 329°F. Which 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 thanks to its high stability of 0.01°C / 0.02°F, accuracy of 0,1°C and excellent uniformity 0.05°C / 0.09°F

LCA 50

Advanced calibration micro-bath 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 inch, 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

General Information

- PID temperature controller with touch screen 4.3 inch colour screen
- Recorder functions
- Programs and trend graphs
- Adjustable speed magnetic stirrer by potentiometer
- High temperature stability up to $\pm 0.01^{\circ}\text{C}$ / $\pm 0.02^{\circ}\text{F}$
- Lower temperature uniformity of $\pm 0.05^{\circ}\text{C}$ / $\pm 0.09^{\circ}\text{C}$
- Integrated Pt100 sensor for reference temperature measurements
- Communications Ethernet and two USB ports
- Temperature chamber with basket for temperature sensors to be calibrated.

LCA 30 – Technical data

Operating temperature range (°C)	-35 ... 165 °C / -31...229°F
Temperature control	Temperature control Ext/ Int PT100 (3/4 Wires) Switch
Temperature stability (°C)	±0.01 °C / 0.02 °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	-5 to 100°C: 25 Minutes 23 to 215°F: 25 Minutes
Cooling time	25 to -25°C: 45 Minutes 77 to -13°F: 45 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
*Minimum Temperature is 52°C / 125.6 °F Below Ambient, Absolute Minimum -35°C/-31°F	

LCA 50 – 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)



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