

LCB 30

Portable Multi-function calibration bath, Dry-well, infrared and surface, with a temperature range - 35°C ... 165°C *. It offers a depth of immersion of 190 mm and a diameter of 60 mm, which allows a high working range. Leyro multi-function unit offer the best performance for the most demanding accurate calibrations. Thanks to the adjustable magnetic stirrer with potentiometer, it can homogenize the calibration area, which makes it one of the most reliable equipment thanks to its high stability of $<\pm 0.03^{\circ}\text{C}$ and a better 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 -35 ... 165°C*
Bath, Dry well, IR, Surface
Immersion Depth: 190 mm
Resolution: 0.1°C
Stability: 0.03°C
Accuracy: 0.3°C
Uniformity: 0.05°C
Portable
3 Years Warranty

General information

Easy and intuitive temperature controller with 4 digits and a resolution of 0.1
Integrated PT 100 probe for reference temperature measurements
Adjustable speed magnetic stirrer by potentiometer
Fast temperature stability up to $<\pm 0.03^{\circ}\text{C}$
Temperature uniformity better than $<\pm 0.05^{\circ}\text{C}$
Temperature chamber with basket for temperature sensors to be calibrated.



Technical data LCB30

Operating temperature range (°C)	-35 ... 165°C* / 31°F... 329°F*
Accuracy	<±0.3°C
Temperature stability (°C)	<±0.03°C
Uniformity	<± 0.05°C
Resolution	0.1°C
Well Diameter	60 mm
Immersion depth	190 mm
Well Capacity	0.7 liters
Warm-up time	0 to 100°C: 15 Minutes
Cooling time	25 to -25°C: 30 Minutes
Housing and assembly	Desktop / portable
Dimensions An x La x Al (cm)	280 x 280 x 400
Weight (kg)	12.8 kg
Power	310 W
Supply	100 ... 234 Vac 50/60 Hz

It is recommended to use 10 Cst silicone oil

*The minimum temperature is 55°C /125,6°F below ambient. Absolute minimum -35°C /-31°F



Scope of delivery LCB30

Basic instrument, Bath LCB 30

Teflon magnetic stirrer, basket, metal lid, teflon magnet extractor.

1,8 m power cord cable and Drain Pump

Traceable Certificate 3.1 (5 Points of calibration) and English manual

Optional

Methacrylate lid with 6 inserts.

Trolley transport case with wheels and handle

ENAC / ISO 17025 calibration certificate

Communications RS485 MODBUS



Optional LCB30 MULTI: Multi-function: Bath tank, and IR, surface, drywell inserts

Trolley transport case for multi-function unit

External tank for micro bath with basket and stirrer, 172 mm * 58 mm.

External insert for Infrared calibration with external hole probe 3.5 mm (probe no included) , emission factor 0.99, length 165 mm, diameter 56 mm.

External insert for surface calibration with external hole probe 3.5 mm (probe no included), length 210 mm, diameter 50 mm.

External insert for dry well calibration with multi hole options, length 165 mm, diameter 60 mm.

Optional Inserts

A. 1 x Ø 3,5 /1 x Ø 6,5/ 1 x Ø 8,5/ 1 x Ø 10,5

B. 2 x Ø 3,5 /2x Ø 4,5/ 2 x Ø 6,5/ 2 x Ø 8,5/ 2 x Ø 10,5

C. 3 x Ø 3,5 /3x Ø 6,5/ 3 x Ø 8,5/ 3 x Ø 10,5

D. 2 x Ø 3,5 /1x Ø 4,5/ 1 x Ø 5,0/ 1 x Ø 5,5/ 1 x Ø 6,5/ 1 x Ø 8,5/ 1x Ø 9,0/ 1 x Ø 9,5/ 1 x Ø 10,5

E. Blank



A

B

C

D

E