

LCB 30

Portable Multi function calibration bath, Dry well, infrared and surface, with a temperature range - 35°C ... 165°C */ 31°F...329°F*. 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*
External Reference Temperature
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.

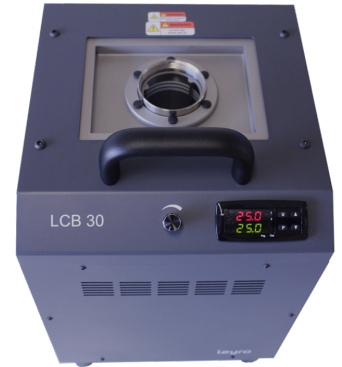


Technical data

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



Optional

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

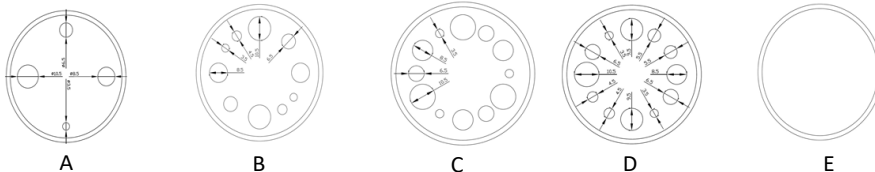
External tank for Infrared calibration with external hole probe 3.5 mm (probe no included) emission factor 0.99 lenght 165 mm diameter 56 mm.

External tank for surface calibration with external hole probe 3.5 mm (probe no included) lenght 210 mm diameter 50 mm.

External tank for dry well calibration with multi hole options lenght 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 | 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 |
| 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 | E. Blank |
| C. 3 x Ø 3,5 /3x Ø 6,5/ 3 x Ø 8,5/3 x Ø 10,5 | |



Scope of delivery

Basic instrument LBC 30

Teflon magnetic stirrer; basket; 1,5 m power cord cable and metal lid

Drain Pump

Traceable Certificate 3.1 (5 Points of calibration)

English manual

Optional

Communications RS 485 MODBUS

Magnetic stirrer

Methacrylate lid with 6 inserts.

Trolley transport case with wheels and handle. Trolley for multi function unit

ENAC / ISO 17025 calibration certificate

