

# LCB 30 + COOL

Portable calibration bath, with a temperature range - 40°C ... 165°C \*/ -40°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 laboratory baths 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  $\pm 0.03^{\circ}\text{C} / \pm 32,05^{\circ}\text{F}$  and a better uniformity  $\pm 0.05^{\circ}\text{C} / \pm 32,09^{\circ}\text{F}$



## APPLICATIONS

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

## HIGHLIGHTS

Fast response time  
Temperature range -40 ... 165°C\*  
External Reference Temperature  
Immersion depth 190mm  
Resolution:  $\pm 0,1^{\circ}\text{C}$   
Stability:  $\pm 0,03^{\circ}\text{C}$   
Accuracy:  $\pm 0,3^{\circ}\text{C}$   
Uniformity:  $\pm 0,05^{\circ}\text{C}$   
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  
High temperature stability up to  $\pm 0.03^{\circ}\text{C}$   
Temperature uniformity better than  $\pm 0.05^{\circ}\text{C}$   
Integrated Pt100 sensor for reference temperature measurements  
Temperature chamber with basket for temperature sensors to be calibrated.



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### Technical data

Operating temperature range (°C)	-40 ... 165 °C*
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: 35 Minutes
Cooling time	25 to -40°C 1 hour and 40 minutes
Housing and assembly	Desktop / portable
Dimensions An x La x Al (cm)	280 x 280 x 400
Weight (kg)	14.3 kg
Power	310 W
Supply	110 ... 230 Vac 50/60 Hz

It is recommended to use 5 Cst silicone oil

\*Minimum Temperature 60°C / 140 °F below ambient. Ambient Temperature 20°C/60°F



### Scope of delivery

Basic instrument LBC 30 + Cool

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

Magnetic stirrer

Methacrylate lid with 6 inserts.

Trolley transport case with wheels and handle.

ENAC / ISO 17025 calibration certificate