# LCB 30 + COOL Basic

Portable calibration thermostatic bath, with temperature range-40ºC ... 140ºC*. It offers an immersion depth of 190mm and a diameter of 60mm, which allows a high working range. Leyro laboratory baths offer the best performance for the most demanding precision calibrations. Thanks to the continuously adjustable magnetic stirrer, it allows to homogenize the calibration area, which makes it one of the most reliable equipment thanks to its high stability of ±0.01ºC and better uniformity ± 0.03ºC.

**APPLICATIONS**

Calibration Laboratories
Test Laboratories
Universities / R&D Centers
Chemical / Pharmaceutical Industry
Food Industry
Maintenance and service

**HIGHLIGHTS**

Fast response time
Temperature range -40 … 140ºC*
Immersion depth 190 mm
Resolution: ± 0.1ºC
Stability: ± 0.01ºC
Accuracy: ± 0.1ºC
Uniformity: 0.03ºC
Fast response time
Portable
3 Year Warranty

**General data**

Easy and intuitive temperature controller with 4 digits and a resolution of 0.1

Integrated Pt100 probe for reference temperature measurements

Magnetic stirrer speed adjustable via potentiometer

High temperature stability up to ±0.01ºC

Temperature uniformity better than ±0.03ºC

Temperature chamber with basket for temperature probes to be calibrated.

| **Technical characteristics** | |
|---|---|
| Operating temperature range (ºC) | -40…140ºC* |
| Accuracy | ±0.1ºC |
| Temperature stability (ºC) | ±0.01ºC |
| Uniformity | 0.03ºC |
| Resolution | 0.1ºC |
| Diameter | 60mm |
| Well Depth | 190mm |
| Capacity | 0.7 liters |
| Heating Time | From 0 to 100ºC: 35 Minutes |
| Cooling Time | From 25 to -40ºC: 1h and 40m |
| Casing and Mounting | Desktop / portable |
| Dimensions W x L x H (mm) | 250 x 300 x 400 |
| Weight (kg) | 12.8kg |
| Consumption | 310W |
| Power supply | 110…230Vac 50/60Hz |
| It is recommended to use silicone oil 5 Cst | |

*Minimum Temperature -60°C below ambient. Ambient Temperature 20ºC

**Standard delivery**

Basic instrument LCB 30 + Cool

Teflon magnetic stirrer, basket, 1.5 m power cable and metal lid

Drainage pump

Certificate 3.1 Traceable with 5 calibration points

Manual

**Optional**

RS485 communications (software included, and cable to PC not included)

Teflon coated magnetic stirrer

PLA lid with 6 inserts

Trolley transport suitcase with wheels and handle

ENAC /ISO 17025 calibration certificate