

# LCB 30 + COOL Basic

Portable calibration thermostatic bath, with temperature range -40°C ... 140°C\*. 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  $\pm 0.01^\circ\text{C}$  and better uniformity  $\pm 0.03^\circ\text{C}$ .



## APPLICATIONS

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

## HIGHLIGHTS

Fast response time  
Temperature range -40 ... 140°C\*  
Immersion depth 190 mm  
Resolution:  $\pm 0.1^\circ\text{C}$   
Stability:  $\pm 0.01^\circ\text{C}$   
Accuracy:  $\pm 0.1^\circ\text{C}$   
Uniformity:  $0.03^\circ\text{C}$   
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  $\pm 0.01^\circ\text{C}$   
Temperature uniformity better than  $\pm 0.03^\circ\text{C}$   
Temperature chamber with basket for temperature probes to be calibrated.



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#### Technical characteristics

Operating temperature range (°C)	-40...140°C*
Accuracy	±0.1°C
Temperature stability (°C)	±0.01°C
Uniformity	0.03°C
Resolution	0.1°C
Diameter	60mm
Well Depth	190mm
Capacity	0.7 liters
Heating Time	From 0 to 100°C: 35 Minutes
Cooling Time	From 25 to -40°C: 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 20°C

#### 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

