

LCB 30 + COOL Basic

Portable calibration thermostatic bath, with temperature range -40°C ... 165°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 ... 165°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°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.



Technical characteristics

Operating temperature range (°C)	-40...165°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