

LCA 30 + COOL

Advanced calibration bath with temperature range of - 40 °C ... 165 °C. -40 °F ... 329 °F*. Which offers an immersion depth of 190 mm / 7.48 inch and a diameter of 60mm, / 2.36 in, allowing a higher range. Leyro Instruments offer the best calibration bath performance for the most demanding accurate calibrations. Thanks to adjustable magnetic stirrer with potentiometer, can homogenize the calibration area, which makes it one of the most reliable equipment thanks to its high stability of 0.01 °C / 0.02 °F, accuracy of 0,1 °C and excellent uniformity 0.05 °C/ 0.09 °F



APPLICATIONS

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

HIGHLIGHTS

Temperature range -40 ... 165°C*
 -40°F...329°F*
 Temperature control: Internal/ External
 Immersion depth: 190 mm /7.48 inch
 Stability 0,01°C / 0,02°F
 Resolution: 0,1/0,01/ 0,001°C
 Accuracy: 0,1°C / 0,2 °F
 Uniformity 0,05°C/0,09°F
 Fast response time

General information

PID temperature controller with touch screen 4.3 inch color screen
 Recorder functions
 Programs and trend graphs
 Adjustable speed magnetic stirrer by potentiometer
 High temperature stability up to ± 0.01 °C / ± 0.02 °F
 Lower temperature uniformity of ± 0.05 °C / ± 0.09 °F
 Integrated Pt100 sensor for reference temperature measurements
 Communications Ethernet and two USB ports
 Temperature chamber with basket for temperature sensors to be calibrated.

Technical data

Operating temperature range (°C)	-40°C...165°C*
	-40°F...329°F*
Temperature control	Temperature control Ext/ Int PT100 (3/4 Wires) Switch
Temperature stability (°C)	±0.01 °C / 0.02 °F
Uniformity	±0.05 °C / 0,09 °F
Resolution	0.1 / 0,01/ 0,001°C
Accuracy	0,1°C / 0,2°F
Well Diameter	60 mm / 2,36 inch
Immersion depth	190 mm / 7,48 inch
Well capacity	0.7 liters
Warm-up time	-5 to 100°C : 25 Minutes 23 to 215°F: 25 Minutes
Cooling time	25 to -40°C 1 hour and 40 Minutes 77 to -40°F: 1 hour and 40 Minutes
Housing and assembly	Portable
Dimensions An x La x Al (cm)	280 x 370 x 490
Weight (kg)	17.2 kg
Supply	110 ... 230 Vac 50/60 Hz

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

Scope of delivery

Basic instrument LCA 30 + Cool
Teflon magnetic stirrer, basket, 1,5 m cable and metal lid.
Traceable Certificate 3.1
English manual

Optional

Trolley transport case with wheels and handle.
ENAC / ISO 17025 calibration certificate
Methacrylate lid with 6 inserts.
Temperature control Ext/ Inter (Switch).
RTD Probe 4 Wires Class A

