



## LCA 30

Advanced calibration bath with temperature range of - 35 °C ... 165 °C.\*  
-31 °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 -35 ... 165°C\*  
-31°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  $\pm 0.01$  ° C /  $\pm 0.02$  ° F  
Lower temperature uniformity of  $\pm 0.05$ °C /  $\pm 0.09$ °C  
Integrated Pt100 sensor for reference temperature measurements  
Communications Ethernet and two USB ports  
Temperature chamber with basket for temperature sensors to be calibrated.

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#### Technical data

Operating temperature range (°C)	-35 ... 165 °C / -31...229°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 -25°C: 45 Minutes 77 to -13°F: 45 Minutes
Housing and assembly	Portable
Dimensions An x La x Al (cm)	280 x 370 x 490
Weight (kg)	15.2 kg
Supply	110 ... 230 Vac 50/60 Hz

\*Minimum Temperature is 52°C / 125.6 °F Below Ambient, Absolute Minimum -35°C/-31°F

#### Scope of delivery

Basic instrument LCA 30  
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 5 inserts.  
Temperature control Ext/ Inter ( Switch).

