

LBC 350

Calibration thermostatic bath with temperature range -30 ... 200 °C, it offers an immersion depth of 300 mm.

Leyro's laboratory thermostatic baths offer the best performance for the most demanding precision calibrations.

The thermostatic bath has an overflow system that keeps it in a constant temperature level, which makes it one of the most reliable equipment due to its high stability control 0.005 °C and greater uniformity than 0.010 °C.



APPLICATIONS

Calibration laboratory

Laboratory test

Universities

Maintenance and service applications

HIGHLIGHTS

Immersion depth 300 mm

Temperature range -30 ... 200 °C

Stability 0.005 °C

Uniformity 0.010 °C

Fluid capacity 24 liters

General information

TFT display + backlit LCD

Keypad for setpoint values / alert security and menu

Optimized temperature control using cascade control

Pt100 External sensor connection for measurement and control (option)

Pump speed adjustable by driver

Early warning for low fluid levels

Adjustable high temperature disconnection, screen visible through

RS232/RS485 interface for communication

Programmer integrated 6 programs in 60 segments

High temperature stability to ± 0.005 °C (± 0.02 °C at +200 °C)

Temperature uniformity better than ± 0.01 °C

Optional Pt100 sensor for reference temperature measurements

Overflow chamber temperature with the maximum liquid level



Technical data

Operating temperature range (°C)	-30 ... 200 °C
Temperature stability (°C)	±0.005 °C
Set/ Display resolution	0.01
Integrated programmer	6x60 segments
Temperature display	TFT +LCD
Heating capacity	3 kW
Cooling capacity (ethanol)	
20 °C	0.46 kW
0 °C	0.34 kW
-20 °C	0.15 kW
Capacity of pump flow (l/min)	22-26
Flow capacity pump pressure (bar)	0.4 ... 0.7
Flow capacity of the pump suction (bar)	0.2 ... 0.4
Opening bath/ bath depth (W x L / D cm)	Ø = 12 / 31 cm
Leters filling volume	24 L
Refrigerant	R134a
Conexion for external Pt100 sensor	Integrated
Digital interface	RS232
Room temperature	5 ... 40 °C
Dimensions W x L x H (cm)	32 x 45 x 91
Weight (kg)	51 kg
Clasification according to DIN 12876-1	III clasification (FL) according to DIN 12876-1
Included in each unit	It includes bath top with 7 openings
Wet deck	Integrated
Compressor cooling power available	Air 230 V / 50 Hz 115 V / 60 Hz

