

LCB-12 Calibration Bath



Compact, accurate and reliable liquid calibration baths. Compare the performance of our calibration baths to other leading manufacturers, then look at our price, you'll be pleasantly surprised!

- I. 12 Liter capacity
- II. Operation Up to 250°C
- III. Temperature stability of +/-0.005° c
- IV. Low liquid level cut-out
- V. Drain Tap
- VI. Half the cost of other leading manufacturers
- VII. Flexible system configurations
- VIII. Programmable and controllable via Technetworks PC software

LCB-12

The LCB-12 bath has a thermometer hole to take a reference thermometer, drain tap, lid, carrying handles and insulation on sides and base. A built in cooling coil is included. The 12 inch immersion depth of the LCB-12 makes it an excellent choice for use in the calibration of liquid in glass thermometers, RTD's, thermocouples, bimetal and fluid/gas filled bulbs. Controllers incorporate the safety features of an over-temperature cut-out and low liquid level device. The system offers a display accuracy of $\pm 0.5^{\circ}\text{C}$, but if you require higher accuracy take a look at the [Tecal Accu-Temp](#) and one of our [secondary standard PRT probes](#).

We recommend the use of our [bath liquids](#) to get the best performance at a wider range of operating temperatures.

Specifications:		
	<u>LCB-12D**</u>	<u>LCB-12HT</u>
Bath Capacity	12 liters	12 liters
Operating temperature range °C	-35 to 200 ¹	ambient +10 to 250
Working temperature range²°C	25 to 200	30 to 250
Display resolution	0.1	0.1
Stability at -35°C (*)¹	+/-0.015	N/A
Stability at 0°C (*)¹	+/-0.020	N/A
Stability at 50°C (*)	+/-0.005	+/-0.005
Stability at 100°C (*)	+/-0.015	+/-0.015
Stability at 200°C (*)	+/-0.024	+/-0.024

Uniformity (full range***)	0.008	0.008
Accuracy °C (full range)	+/-0.5	+/-0.5
Temp. Sensor	PRT	PRT
Working Area in. LxWxD	5.5x5.75x12	5.5x5.75x12
Controller length/width	9.3/4.9	9.3/4.9
Height with controller	18.5	18.5
Ordering Information:		
LCB12/TU20D system 120V	3022401	
LCB12/TU20D system 240V	3022405	
LCB12/TU20HT system 120V		3022403
LCB12/TU20HT system 240V		3022404
LCB12 bath less controller	3022400	3022400
FC500 Flow Cooler (-35°C) 120V	1070800	N/A
FC500 Flow Cooler (-35°C) 240V	1070850	N/A
FC200 Flow Cooler (-20°C) 120V	1070700	N/A
FC200 Flow Cooler (-20°C) 240V	1070750	N/A
See details on the TU20D and TU20HT Thermoregulators		

1) With an FC-500 flow cooler; 2) ambient of 20°C

*Stability is over a 15 minute period

For below ambient temperatures see Techne's **flow coolers**

Two SPRT's 3" apart in the working area of bath.