RCB-80 Ultra Low Temperature Bath

Features:

- **-80°C ultimate low temperature**
- **4 liter bath size**
- **Space-saving bench top design**
- **Built in magnetic stirrer**
- **RS-232 interface**
- **Low profile for easy bath access**
- **With optional probe holder is excellent for temperature sensor calibration**
- **Includes lid and 2 gallons of bath fluid for -80 to 30°C operating range**
  (Note: the lid becomes part of the probe holder when it is ordered.)

Techne RCB-80

Applications:

- **Temperature sensor calibration**
- **Biological slide freezing**
- **Tissue freezing**
- **Pour-point determinations**
- **Charpy impact testing**
- **ASTM plastic and metal tests**
- **Viscosity studies**
- **Circulation source of controlled temperature liquids**
- **Controlled-temperature reactions**

The RCB-80 is a mechanically-refrigerated bench top circulating bath that provides precise temperature control for a wide variety of applications and eliminates the cost and potential hazards associated with using dry ice or liquid nitrogen.
It offers a 4 liter bath capacity with an ultimate low temperature of -80°C. A built in magnetic stirrer, with variable speed control, provides excellent temperature uniformity and stability. A custom-fitted phenolic cover is standard with every unit when a probe holder is not ordered.
For those doing sensor calibrations, we suggest ordering the probe holder below for placement of probes under test.

Specifications		
Heat Removal (Watts/BTUs)	+20 C	240/815
	0 C	220/750
	-20 C	170/580
	-40 C	150/510
	-60 C	110/375
Temperature Range C	-80 to 100	
Stability	-40 C	+/-0.02
	-80 C	+/-0.04

Bath Volume	Liters	4
Cool down time to -80 C	Minutes	90
Chamber Dimensions Diameter x depth	inches	6.50 x 7.25
Display resolution	standard	0.1
Dimensions W x D x H	inches	19 x 24 x 13
Weight	lbs/kg	85/39
Electrical		120V/60Hz/5A
Warranty	1 year parts and labor	
Ordering Information		
Catalog #	**Description**	
1040500	RCB-80 120 volt	
7012747	Probe holder	

Optional Probe Holder

Probe holder contains five tubes for sensors with diameters (3/8" max) specified by the customer