

› Tenney

Benchmaster Temperature & Humidity Test Chambers

Tenney's Benchmaster temperature and humidity test chambers are capable of simulating a wide range of temperature or temperature and humidity conditions. The five cubic foot work space will readily accept equipment as large as a 19" relay rack.

In keeping with the needs of today's lab, we designed these temperature and humidity test chambers to have a compact exterior that maximizes the interior workspace.

▶ Standard Features:

- Vapor-tight interior liners made of 100% continuously welded stainless steel
- Temperature and humidity environmental chambers with humidity capabilities are constructed of 100% non-corroding parts and have a low-water protection system
- Uniform conditions are assured through the use of a vertical-down recirculating conditioning stream
- VersaTenn III Controller on Temperature and Humidity Chambers
- Watlow F4 Controller on Temperature Only Chambers



Overall dimensions in inches/centimeters

Model		BTC	BTRC
Workspace	W	20/51	
	D	19.25/49	
	H	22/56	
Exterior	W	57/145	62 /157
	D	34/86	
	H	34.5/88	
Temperature Range			
Low	°C	-70	
High	°C	200	
Utilities, etc.			
Refrigeration		(2) 1 HP	
Heater Capacity		2 KW	
Humidifier	Watts		750
	GPH		0.3
AMPS@230V , 1 Ph		24	24
AMPS, Fuse		35	
Unit Weight	LBS	500	

Humidity capability: 20% to 95% RH in the dry bulb range of +20°C (68°F) to +85°C (185°F) as limited by a 3 degree dew point.

► Options:

- IEEE488 interface
- LinkTenn software for Windows® that permits your computer to control up to 10 chambers
- RS-422, 423, 232, or 485 interface assemblies
- Water demineralizer
- Water reservoir for humidity system (5 gallon)
- Recirculating system for humidity water
- Viewing window, 6" x 8", thermally insulated and heated
- Interior light
- Shelving, adjustable and removable
- Automatic CO2 or LN2 cooling boost system
- Automating boost heating system
- GN2 purge system
- Recording instruments
- Redundant thermal protection and alarm system
- External dryer for obtaining humidity as low as 5% (to 20°C)
- Alternate power supply wiring
- Chamber cart with casters

All specifications are subject to change without notice.