



Advanced Test Equipment Rentals
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Benchmaster Temperature-Humidity

Benchmaster Temperature-Humidity Test Chamber

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	-73			
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 98% 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:

- IEEE/488 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



Gruenberg, Blue M, Tenney, Lunaire

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