Benchmaster Temperature & Humidity Test Chambers

Tenney Benchmaster test chambers are capable of simulating a wide range of temperature or temperature and humidity conditions. The one horsepower cascade refrigeration and two kilowatt heating system provide optimal cooling and heating performance. The five cubic foot internal workspace has the versatility to accommodate both small and large size test material. In keeping with the needs of today’s lab environments, the Tenney Benchmaster chamber design incorporates a compact exterior that maximizes the interior workspace.

Features

- All models feature vapor-tight, continuously welded stainless steel interiors
- 3-inch port is standard on left side
- Temperature and humidity conditions are controlled with the Watlow F4T profiling type dual channel 1/4 DIN controller
- Data logging and Graphical trend chart for Watlow F4T controller
- Ethernet communication
- USB port
- Cascade type refrigeration system
- Nichrome wire air heater
- Low workspace height to ease the loading and unloading of product
- Accurate control and display with minimum maintenance
- Vertical recirculation conditioning system
- Available in either a benchtop or upright configuration

Options:

- RS 232 or RS485 communications
- 5 gallon water reservoir*
- Recirculating system for humidity water*
- Water demineralizer*
- External dryer for obtaining humidity levels as low as 5%*
- Additional ports
- Viewing windows up to 6” x 8” and thermal insulated
- Interior lighting
- Shelving, adjustable and removable
- Automatic CO2 or LN2 cooling boost system
- Boost heating system
- GN2 purge system
- Recording instruments
- Chamber cart with casters
- TempGard IV Over-temperature Protection
- NIST Calibration
- Tenney Environmental offers calibration services accredited to the ISO 17025 standard
- Additional engineered to order custom configurations available
- * Humidity Model Only

Tenney, Lunaire, Blue M, Gruenberg
Lindberg/MPH, Wisconsin Oven

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Performance is based upon an empty chamber with air temperature measured at the supply air stream, operating at 24°C (75°F) ambient air. Operating at 50Hz or higher than 24°C ambient air, performance may be reduced. Consult factory regarding any special cooling requirements.