

TESTEQUITY

MODEL 101H Temperature/Humidity Chamber

Model 101H is your best choice when you need a small humidity chamber. The benchtop version fits easily on your test bench while the floor-standing version requires minimal floor space.



Built-In Water Recirculation System - TestEquity Exclusive!

Model 101H features a built-in water reservoir and recirculation/filter system. There is no need for any external bottles, plumbing or drain lines! Nothing extra to buy!

Mass-Transfer Vapor Generator - TestEquity Exclusive! (Patent Pending)

Achieves better humidity stability throughout the entire operating range compared to steam generators. Accomplished without an exposed water bath.

F4T Touch Screen Temperature/Humidity Controller

The F4T is our next-generation controller. Featuring a touch-screen interface, it's exceptionally easy and intuitive to use. Includes RS-232 and Ethernet interfaces. GPIB is available as an option.

Accurate Humidity Measurement

A fast responding Vaisala capacitive-type sensor eliminates the need for unreliable wet-wicks.

Platinum RTD Temperature Sensor

For increased temperature accuracy compared to thermocouples.

Heated Viewing Window

Eliminates fog and condensation under high humidity conditions without a manual wiper.

LED Lighting

Mounted on outside of door facing into the window. Long lasting, not exposed to temperature extremes.

Two 3" Access Ports

3" (2.83" inside diameter) access ports are included on the left and right side of the chamber.

Adjustable Shelf

A stainless steel wire shelf ensures proper airflow around your test sample for uniform temperature distribution.

Compact Benchtop & Floor Standing Versions (convertible)

Model 101H-B fits easily on your workbench. For more portable use we offer a floor-standing version with casters, Model 101H-F. You can convert the benchtop version to a floor-standing version at any time by purchasing the caster base.

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MODEL 101H

Features

- 1.1 Cu Ft Workspace, 13.8" W x 11.8" D x 11.8" H
- Temperature -18°C to +130°C
- Humidity 10% to 95% RH in the range of +10°C to +85°C, limited by a 6°C Dew Point
- F4T Touch Screen Controller with Integrated Limit Controller
- Viewing Window & LED Lighting
- 3" Access Ports on Left and Right Side
- Compact Benchtop & Floor Standing Versions (convertible)
- Single-Stage Refrigeration
- 120V Input - Plugs Into Any 15 Amp Outlet

Available Options

- GN2 Purge
- Dry Air Purge (requires GN2 option)
- Caster Base to convert benchtop version to a floor-standing version
- Additional shelves
- Spare port plugs
- GPIB Interface Converter

Specifications

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|--------------------------------------|--|
| Temperature Range | -18°C to +130°C |
| Temperature Control Tolerance | ±0.5°C (±0.2°C Typical) (Short-term variations measured at the control sensor after stabilization) |
| Heating Rate (empty)* | -15°C to +85°C in 21 minutes |
| Cooling Rate (empty)* | +85°C to -15°C in 47 minutes |
| Humidity Range | 10% to 95% RH in the range of +10°C to +85°C, limited by a 6°C Dew Point |
| Humidity Control Tolerance | ±3%RH (±0.5%RH Typical at 85°C/85%RH) (Short-term variations measured at the control sensor after stabilization) |
| Inside Dimensions | 13.8"W x 11.8"D x 11.8"H (1.1 cubic feet) |
| Outside Dimensions | 101H-B Benchtop Version: 23.25"W x 28.7"D x 36"H (nominal) 101H-F Floor-standing Version: 23.25"W x 28.7"D x 62.3"H (nominal) |
| Minimum Installed Clearance | 12" from the rear. Full access to left side is required to drain the internal water tank and change the water filter. |
| Ports | 3" (2.83" inside diameter) access ports on left and right side (two total). Supplied with silicone foam plugs. |
| Input Power | 120 V nominal (110 to 126 VAC), 60 Hz, 1 PH, 10 A Max. |
| Water Requirement | Single-Distilled or De-Ionized Water. Use of unfiltered tap water will damage the humidity system. |

NOTE: Performance is typical and based on operation at 23°C (73°F) ambient and nominal input voltage. This product is designed for use in a normal conditioned laboratory. Due to continuous product improvement, specifications are subject to change without notice.

Additional Information

For more information and detailed specifications visit testequity.com/101H

For the complete line of TestEquity chambers visit testequity.com/Chambers

