



Temperature and Humidity Test Chamber LD-LTHC-B25

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Overview

Temperature and Humidity Test Chamber LD-LTHC-B25 is a touchscreen controller with PID programming, has a capacity of 1500 liters. A conductive coating is applied to the interior of tempered glass windows in a dynamic design to prevent frosting. The interior is comprised of 304 stainless steels, which resists moisture corrosion and rusting. Designed to provide excellent insulation performance, resistance to degradation, and noise reduction.

Features:

- 304 Stainless steel design provides corrosion resistance
- Rugged and durable construction ensures longevity of machine
- Test hole with a stainless-steel flange prevents moisture from entering the insulation layer
- Tempered glass window with a conductive film on the interior glass to prevent frosting
- Built-in LED lighting for observing samples
- PID programmable color touch screen controller for ease of operation
- Ethernet interface and USB port for connectivity
- Ability to preset testing programs based on user requirements
- Controller features buttons for USB, Ethernet, Lighting, Emergency, and Power
- Electronic humidification system for user convenience
- Designed for high humidity tests in a walk-in chamber
- Quick and high-performance humidification
- Offers excellent insulation performance, resistance to degradation, and noise reduction
- Electrostatic treatment for added protection
- Resistant to high and low-temperature corrosion
- High hardness and anti-impact properties
- Enhanced safety factor

Applications:

Temperature and Humidity Test Chamber is extensively utilized for performing tests under controlled conditions across pharmaceutical, chemical, food, and beverage sectors as well as fundamental and advanced research.

Specifications:

Capacity	1500 L
Controller	Programmable color LCD touch screen controller
Communication	Ethernet connection, USB port
Maximum noise	65 dBA
Humidity range	10% to 98% RH
Loading weight	? 150 Kg

Heating element	Nichrome heater
Safety features	Humidifier dry-combustion protection, over-temperature protection, over-current protection, Refrigerant high-pressure protection, Water shortage protection, Earth leakage protection
Temperature range	(-60) ? to +150 ?
Humidity deviation	± 2.5 % RH
Temperature deviation	± 1.0 ?
Environmental conditions	5? to +35 ? ? 85% RH
Temperature cooling rate	3 ? / min
Temperature heating rate	3 ? / min
Overall dimension (D × W × H)	1300 × 2340 × 2200 mm
Internal dimension (D × W × H)	1000 × 1500 × 1000 mm