

The Tekneka THC330 Portable Temperature and Humidity Calibration Chamber is engineered for field and laboratory calibration of temperature and humidity instruments, providing a stable and controlled environmental testing space. It features a compact portable design with caster wheels for easy mobility and deployment. It uses a corrosion-resistant stainless-steel inner chamber and advanced PID control for precise environmental regulation. The chamber ensures high measurement reliability through stable temperature and humidity uniformity. Key operating ranges include a temperature range of -5°C to 50°C and humidity range of 10%RH to 95%RH for accurate calibration applications.

Features

- High Precision Control – Advanced PID control ensures stable and accurate temperature and humidity regulation.
- Wide Operating Range – Supports temperatures from -5°C to 50°C and humidity from 10%RH to 95%RH.
- Stability Indication System – Built-in rate-of-change and stabilization monitoring function.
- Programmable Calibration Points – Multi-point programming for efficient and repeated calibration tasks.
- Real-Time Curve Monitoring – Displays live temperature and humidity trends with USB data export.
- Durable Construction – 304 stainless-steel inner chamber with a powder-coated exterior for corrosion resistance.
- Portable Design – Compact structure with caster wheels for easy field deployment and mobility.
- Touchscreen Interface – 5-inch color display for easy monitoring, setting, and control.
- Safety & Alarm Protection – Automatic alarms for low water level, temperature limits, and system abnormalities.
- Remote Communication (Optional) – Serial and network connectivity for remote control and monitoring.



Applications

The THC330 portable temperature and humidity calibration chamber is designed for a wide range of applications, including calibration laboratories, industrial quality assurance departments, pharmaceutical industries, environmental testing facilities, research institutes, HVAC testing environments, electronics manufacturing, and field calibration services. It is an essential solution for metrology laboratories, quality engineers, calibration technicians, environmental testing professionals, and inspection authorities who require a stable, controlled, and highly accurate environment for calibrating temperature and humidity measuring instruments.

Ordering Info

THC330..... Portable Temperature & Humidity Calibration Chamber

Package Includes

- Temperature & Humidity Sensor
- Power Cord

Technical Specifications	
Temperature Range	-5°C to 50°C
Humidity Range	10%RH to 95%RH
Temperature Stability	≤± 0.1°C @ 5°C to 50°C
Temperature Uniformity	≤± 0.3°C @ 5°C to 50°C
Humidity Stability	≤± 0.6%RH @ 20°C
Humidity Uniformity	≤± 1.0%RH @ 20°C
Volume	30 Liters (Working Area)
Display	5-inch
Viewing Window	Oversized Viewing Window
Access Port	1 Access Port
Outer Shell	Acid Washing & Powder Coating
Inner Chamber	Brushed SUS304 Stainless Steel
Sealing	Medical-Grade Silicone
Glass	High-Visibility Vacuum Glass
Dimensions (L x W x H)	670 x 480 x 740 (mm)
Weight	45kg