

Temperature Testing Package

- ▶ **Reveal your product's temperature tolerance before expensive compliance testing.**
- ▶ Use our programmable temperature chamber to expose your product to extreme heating, cooling and temperature cycling. Evaluate the product's performance in extreme conditions, gauge its compliance with industry standards, and gain the information you need to make improvements.



Overview of Package

Why Perform Temp Testing?

- ▶ Temperature and humidity testing verifies product function in extreme conditions
- ▶ Programmable thermal profiling and cycling via LabVIEW software ensures compliance with standards
- ▶ Evaluate and improve the product's airflow, venting and cooling

What's Included?

- ▶ Initial training and familiarization with chamber and testing equipment
- ▶ Assistance developing test plan and setup
- ▶ Access to chamber based on daily or hourly rate
- ▶ Use of additional tools and amenities needed for testing
- ▶ Ongoing support from an expert technician
- ▶ Review with a technician to interpret results and develop suggested mitigation strategies

Specs: Temperature Chamber

- ▶ Bryant TMVH-5C Temperature Chamber
- ▶ Workspace: 20" x 22" x 20"
- ▶ Temperature range: -65C to +200C
- ▶ Humidity range: 20% to 98% RH

Sample Applications

- ▶ Evaluating performance in environmentally challenging conditions to ruggedize product
- ▶ Ensuring compliance with temperature/humidity requirements for specifications such as RTCA DO-160, MIL-STD-810, etc.
- ▶ Testing multiple components to evaluate durability

| [Facility and Contact Information](#)

Videon's Facility and Staff

- ▶ 32,000 sq ft facility including 10,000 sq ft ESD-safe manufacturing wing
- ▶ Clean, bright, environmentally-controlled workspace
 - | Temperature controlled burn-in room
 - | Segregated and locked location for customer-owned inventory
 - | Available office space, meeting rooms, and employee amenities such as kitchen, gym, and theatre
- ▶ Experienced staff, including:
 - | Customer Care team ensuring that we meet your needs
 - | Dedicated contact to address concerns and answer questions
 - | Highly-trained engineers and technicians on-site to troubleshoot and support projects
 - | IPC610 Certified Assembly Team

Additional Equipment

- ▶ Haefely ESD Simulator
- ▶ Logic Analyzers
- ▶ Oscilloscopes
- ▶ Electro-Sensitive Device (ESD) protective environments

Additional Services

- ▶ Testing Services including HALT, EMI, Temperature and HASS
- ▶ New Product Introduction
- ▶ Service and Repair

Regulatory Compliance Standards

- ▶ Highly experienced with aviation standards including RTCA DO-160 (FAA), Boeing D6-36440, Airbus ADB0100
- ▶ Military experience and qualifications including MIL-STD-461/810; Registered ITAR and SAM; United States / Canada Joint Certification Program
- ▶ Experienced with consumer standards including FCC, CE, VCCI, ISO and UL
- ▶ AS9100C Quality Management
 - | Fully incorporates ISO 9000
 - | Ensures production of high-quality products
 - | Supports customer satisfaction through continuous improvement and risk mitigation
- ▶ AS9102 First Article Inspection
- ▶ Process Failure Mode Effects Analysis (PFMEA)
- ▶ Willing to apply our expertise to the requirements of additional industries, standards, and regulations.



Interested? Contact Us

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