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# ESS ENVIRONMENTAL STRESS SCREENING TEST CHAMBER



## **STANDARDS**

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GJB/Z34-5.1.6

IPC-9701

MIL-2164A-19

MIL-344A-4-16

MIL-STD-2164

NABMAT-9492

## **APPLICATIONS**

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**ESS Environmental Stress Screening Test Chamber**



Surface temperature control of samples and environmental temperature control technology in the test area are crucial aspects.

Utilizing temperature acceleration techniques within the design strength limits, the product undergoes alternating cycles of expansion and contraction, simulating external environmental stress. This induces thermal stress and strain within the product, accelerating stress to reveal potential material and process imperfections. This proactive approach helps prevent product failures during environmental stress usage, minimizing unnecessary losses. It significantly improves product shipment yield and reduces repair needs.

Our ESS Environmental Stress Screening Test Chamber solutions meet stress screening and lead-free process requirements for electronic equipment products, including standards like MIL-STD-2164, MIL-344A-4-16, MIL-2164A-19, NABMAT-9492, GJB-1032-90, GJB/Z34-5.1.6, IPC-9701, and more.

Different stress levels can be applied, with temperature change rates adjustable at 5°C/min, 10°C/min, 15°C/min, and 20°C/min. Our ESS Stress Screening Test Chambers can perform rapid temperature changes (stress screening), condensation tests, high temperature and high humidity tests, temperature and humidity cycle tests, and more.

We meet stress screening test requirements for electronic equipment products, including executable equal temperature and average temperature tests. Our ESS Test systems provide complete real-time test curve analysis with no time limits.

## TECHNICAL SPECIFICATIONS

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### ESS Environmental Stress Screening Test Chamber Technical Specifications:

Model	QT-ESSTC-225	QT-ESSTC-408	QT-ESSTC-800	QT-ESSTC-1000	QT-ESSTC-1500
Inner Volume	225 L	408 L	800 L	1000 L	1500 L
Inner Chamber Size (WxHxD) mm	500*750*600	800*850*600	1000*1000*800	1000*1000*1000	1200*1000*1250
Temperature Range	-70C~180C (A:5 C/min; B:10C/min; C:15 C/min; D:20 C/min) Linear/Nonlinear				
Humidity Range	20.0%RH~98.0%RH				



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Contact our **QualiTeam** today to find out how we can help your organization **select the most suitable testing solution** for your application, requirements, and budget.

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