



Orbital Test Services, LLC

Thermal Cycling/Conditioning

A cost-effective solution to evaluate hardware survivability

Company Profile

Orbital Test Services, OTS (Cleveland, OH) was established to meet the demands for ruggedized components, devices and electronics used in extreme shock, temperature, high-g and high acceleration load environments.

OTS is committed to being the leading provider of thermal shock testing for the most demanding specifications. We will use our specially equipped, dual chamber system and technical expertise to provide customers with the most cost-effective solution to evaluate component survivability and meet any development schedule and compliance needs.

System Features

- Specimen Size up to 0.95 ft³ (27 Liters)
- Temp. Range: -70°C to 200°C (-94°F to 392°F)
- Temp. Change Rates: 5°C to 20°C per minute
- Highly Accurate Temperature Control

Survivability Testing

- Full Systems
- Components
- Subsystems
- Electronics

Thermal Test System

OTS utilizes a specially equipped dual benchtop environmental chamber that provides temperature cycling and conditioning options to validate the reliability of the most sophisticated electronics, sensors and component parts in extreme temperature conditions. Our customized thermal testing system has a temperature range from -70°C to 200°C with a temperature cycling rate from 5 to 20°C per minute. All cycling and conditioning tests are programmable with our highly accurate temperature controller giving customers the testing flexibility and accuracy needed for multiple ramp and target set points.



Industry and Military Standards

ANSI/EIA
364-27C

JESD22
B104C

MIL-STD 202
Method 213

MIL-STD 810
Method 516

MIL-STD 883
Method 2002

CONTACT OUR EXPERTS TODAY FOR A QUOTE

OTS, LLC Phone: 216-649-0378
 4415 Euclid Avenue Website: OTSshocktesting.com
 Cleveland, OH 44103 E-mail: OTS@orbitalresearch.com