



Orbital Test Services, LLC

# Altitude (Low Pressure) Testing

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 extreme environmental testing for the most demanding specifications. We will use our specialized low pressure vacuum chamber 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

- Simulated Altitude up to 40,000 ft. (12.2 km / 141 torr)
- Specimen Size up to 0.45 ft<sup>3</sup> (12.7 Liters)
- Temperature Range: 72°F to 390°F (22°C to 200°C)
- Visual Observation of Test Specimen

## Survivability Testing

- Full Systems
- Components
- Subsystems
- Electronics

### Industry and Military Standards

IEC 60068-2-13	RTCA/DO-160 Section 4	
MIL-STD 202 Method 105	MIL-STD 810 Methods 500	MIL-STD 883 Method 1001

## Altitude Test System

OTS utilizes an all stainless steel vacuum chamber to precisely simulate the air pressure conditions at high altitudes. Our customized altitude system can test specimens at varying low pressures that correspond to air pressure conditions at a specified altitude. Our expert engineering staff works directly with customers to create the best testing protocol to meet the most stringent of component specifications. OTS' benchtop altitude chamber is ideal for testing the survivability of electronics, component parts and materials used in the aerospace, military, automotive and other commercial industries.



### CONTACT OUR EXPERTS TODAY FOR A QUOTE

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