



Environmental testing, or Environmental Stress Screening, is the process of subjecting a test component to environmental stressors to identify and eliminate hidden defects that arise during the manufacturing process. DATASYST Engineering & Testing Services, Inc. has the experience and capabilities to help you identify how your product will respond to environmental stressors, including temperature, thermal shock, humidity, altitude and/or a combination. Awareness of your product's sustainability to a given environmental condition is significant in assessing your design or troubleshooting existing product concerns.

CAPABILITIES / EQUIPMENT:

	Chamber Size	Temperature Capability (°C)	Humidity
Environmental Chambers: Hot/Cold/Humidity	3 ³ - 64 ³ ft	-68°C to 177°C	5-95%
Environmental Chamber with Vibration Capability (AGREE Chamber)	32 ³ ft	-73°C to 177°C (vertical)	5-95%
	64 ³ ft	-73°C to 177°C (vertical/horizontal)	--
Altitude Chamber	2.5 ³ ft	22" Hg -68°C to 200°C	--
Thermal Shock Chambers (Two Zone Chamber)	Basket sizes up to: 15"H x 14"D x 23.5"L	-68°C to 200°C	--
Walk-in Chambers	5'H x 7'W (Door: 3'W x 8'W)	-70°C to 177°C (humidity)	5-95%
	20'L x 8.5'W x 9.5'H Door 1: 5'W x 7'H Door 2: 4'W x 8'H	-55°C to 82°C (humidity)	5-95%
Drive-in Chamber	70'L x 18.5'W x 15'H Door: 14'W x 14'H	Contact us for details	--
Portable Conditioning Unit	Custom sizes available to meet customer needs	-25°C to 150°C	--

EXAMPLES OF SPECIFICATIONS/STANDARDS:

Military Standard (MIL-STD-202, 810, 883, 1344)/RTCA/DO-160/GR-63-CORE/SAE (J1455, J1211) ISTA/IEC 68/ETSI EN 300/ISO/BS EN

Contact DATASYST today at 800-969-4050 to discuss your environmental testing requirements.