

# Bravo3 Technical Services

## DO-160G Capabilities

- Section 4: Altitude and Temperature
- Section 5: Temperature Variation
- Section 6: Humidity
- Section 7: Shock and Crash Safety
- Section 8: Vibration
- Section 10: Waterproofness
- Section 11: Fluid Susceptibility
- Section 15: Magnetic Effect
- Section 16: Power Input
- Section 25: Electrostatic Discharge (ESD)

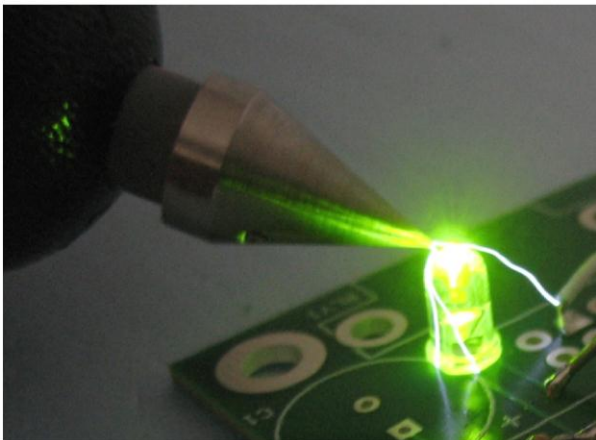
## Environmental Stress Screening

Olympic Aero Services provides ESS to identify system failures prior to shipment and customer installation.

This screening involves thermal shock and a sinusoidal or random vibration sweep.

## Contact Information

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## Test Equipment Specifications

### Temperature, Temperature Variation and Humidity

Equipment Description	Manufacturer	Model	Specifications
Temperature Chamber	Test Equity	1007H	Chamber size: 24" x 21" x 24" Min Temp: -73C, Max Temp: +175C
Temperature Data Logger	Extech Instruments	EA15	2 Channel, modular LCD display, digital signal output capabilities

### Altitude, Decompression

Equipment Description	Manufacturer	Model	Specifications
Altitude Chamber	Carlie Industries	K100	Primary Chamber 15" diameter x 32" Maximum Altitude 45,000' Decompression Chamber 12" diameter x 17"
Pressure Transducer	Control Company	PS100-2BAR	Modular LCD display, digital signal output capabilities

### Vibration, Shock and Crash Safety

Equipment Description	Manufacturer	Model	Specifications
Vibration Table	Ling Dynamic Systems	V640	Table size: 12" x 12" Frequency Range: 5 – 5,000 Hz Max Acceleration 55 g
Controller	Data Physics	DP720/780	DP720/780
Accelerometers and Signal Conditioning	Dytran	Various	4 Channel, Signal Averaging

### Waterproofness

Equipment Description	Manufacturer	Model	Specifications
Condensing Test Chamber	Test Equity	1007H	Chamber size: 24" x 21" x 24"
Waterproof Drip Test Tank	Carlie Industries	B3TS-10	Drip Platform size: 40" x 28"