

The Compliance Management Group

Mechanical and Environmental Testing Capabilities

Shock and Vibration Testing Services

Vibration: UD Electro-dynamic Shaker (T1000)

Maximum Capacity:

- 66,800N (15,000 lb.) force
- 5-2,000 Hz
- 52" x 70" head expander (vertical axis)
- 52" x 52" slip table

Data Acquisition: UD and Dactron Controllers

Sine, Random, Random-on-Random, Shock, Pulse Analysis & Capture and Sine Dwell responses (8 channel max)

Shock: MTS drop Shock tester

- 0-900 Gs Shock levels
- 0-75 ms Duration
- ½ Sine or Square-wave forms
- 24" x 24" table

Data Acquisition: UD or MTS Controllers

- Multiple plots on UD controller
- Single plots on MTS controller

Bounce: L.A.B. Bounce table

- 1,820 Kg (4,000 lb.) capacity
- 72" x 72" Table
- High support rails for product protection
- 0-400 RPMs

Drop Shock: L.A.B. drop tester

- 150 lb. Capacity
- 48" x 48" package size

Free Fall Drop: L.A.B Quick Release Hook

- Maximum height 9' 8" to drop hook
- Maximum load weight 1 ton
- Data acquisition on UD controller (6 channels)

Temperature, Humidity and Altitude Test Services

Walk-in Chambers: Operating, Non-operating and Storage testing

Ransco Walk in: Watlow controllers and Honeywell chart recorders

- -40C to +90C (averaging 3C per minute ramp rate)
- 20% to 95% relative humidity controlled
- 8' 8" wide x 7' 2" deep x 7' 4" ceiling height
- 4' x 7' door opening (with full floor ramp for easy access)
- (2) 4" port holes for cabling

Thermotron Walk in (white): Thermotron controller

- -20C to +85C (averaging 4C per minute ramp rate)
- 8' wide x 7' 1" deep x 7' 8" ceiling height
- 4' x 7' door opening (with full floor ramp for easy access)
- (2) 6" port holes for cabling

Thermotron Walk in (silver): Thermotron controller

- -15C to +70C (averaging 4C per minute ramp rate)
- 8' wide x 7' 1" deep x 7' 8" ceiling height
- 4' x 7' door opening (with full floor ramp for easy access)
- (2) 6" port holes for cabling

Reach-in Chambers: Operating, Non-operating and Storage testing

Tenney T55: VersaTenn controller and Honeywell chart recorders

- 5' wide x 3' 4" deep x 3'4" high
- Temperature range -40C to +100C
- 20% to 95% relative humidity controlled
- (1) 6" port hole and (1) 3" port hole for cabling

Test Equity: Watlow controller

- 30" wide x 30" deep x 30" high
- Temperature range -50C to +145C
- (1) 3" port hole for cabling

Associated: Watlow controller

- 24" wide x 24" deep x 24" high
- Temperature range -35C to +100C
- (1) 3" port hole for cabling

Tenney (small): Watlow controller

- 16" wide x 11" deep x 12" high
- Temperature range -60C to 0C or +10 to +100C
- (1) 3" port hole for cabling

CSZ 16: Watlow controller

- 40" wide x 38" deep x 38" high
- Temperature range -40C to +95C
- 20% to 95% relative humidity controlled
- (1) 4" port hole for cabling

CSZ 16: Watlow controller

- 24" wide x 24" deep x 24" high
- Temperature range -70C to +140C
- (1) 4" port hole for cabling
- (1) 2" port hole for cabling

CSZ 32: Watlow controller

- 38" wide x 40" deep x 34" high
- Temperature range -45C to +150C
- 20% to 95% relative humidity controlled
- 6" port hole for cabling
- 3" port hole for cabling

Despatch #1: Watlow controller

- 30" wide x 30" deep x 30" high
- Temperature range -30C to +125C
- 20% to 95% relative humidity controlled
- (2) 4" port hole for cabling

Despatch #2:

- 36" wide x 36" deep x 36" high
- Temperature range -60C to +90C
- 20% to 95% relative humidity controlled
- (2) 4" port holes for cabling

Despatch #4:

- 36" wide x 36" deep x 36" high
- Temperature range -40C to +95C
- 20% to 95% relative humidity controlled
- (2) 4" port holes for cabling

Despatch #5:

- 36" wide x 36" deep x 36" high
- Temperature range -30C to +95C
- 20% to 95% relative humidity controlled
- (2) 4" port holes for cabling

Despatch #6:

- 36" wide x 36" deep x 36" high
- Temperature range -50C to +95C
- 20% to 95% relative humidity controlled
- (2) 4" port holes for cabling

Thermotron S16C:

- 36" wide x 36" Deep x 36" High
- Temperature range -30C to +150C
- 2" port hole for cabling

Thermal Shock Chamber

- 13" wide x 15" deep x 20" high
- Temperature range -40C to +85C

Altitude Chamber: Operating and Non-operating tests

- 0-50,000 feet altitude
- 3' wide x 3' deep x 3' high
- 2" port hole for cabling