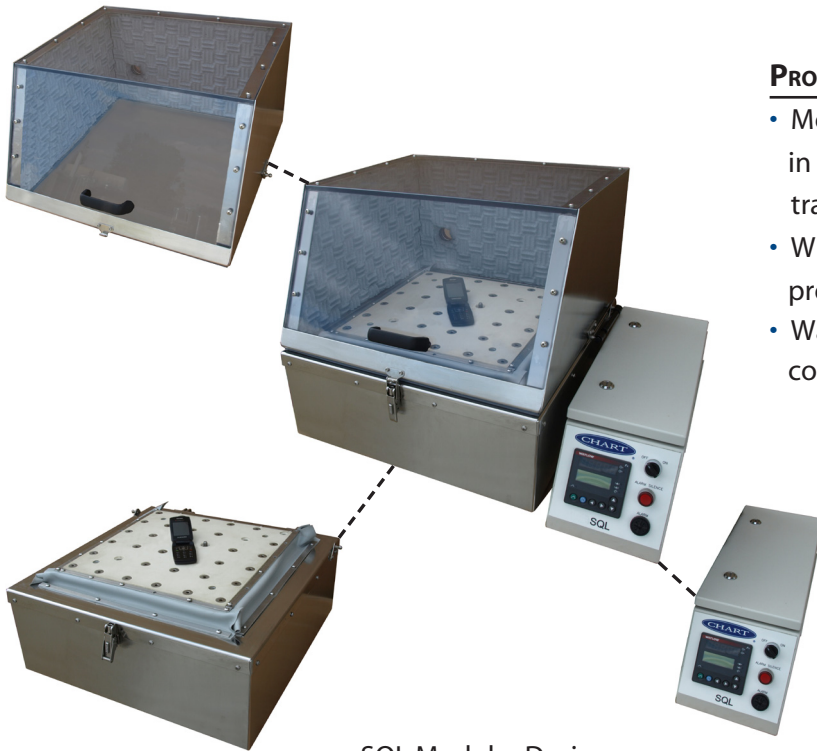


SQL™-16

BENCHTOP HALT/HASS VIBRATION SYSTEM

A Smaller, Quieter, Lighter (SQL) benchtop mini HALT/HASS Vibration system.

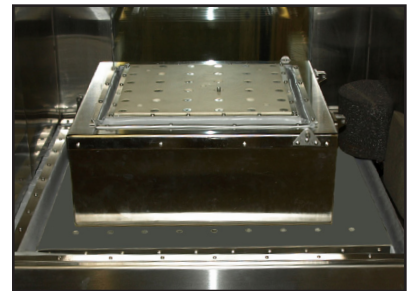
The SQL-16 is a mini vibration system designed for HALT/HASS testing small components and assemblies. With a 16" vibration table, the SQL is the smallest standalone HALT/HASS vibration system on the market today. It is ideal for finding potential failure modes on new products or assisting in troubleshooting field failures. The modular design allows removal of the vibration base for placement inside an environmental chamber for a complete HALT/HASS testing program.



SQL Modular Design

PRODUCT HIGHLIGHTS

- Modular design allows vibration base to fit in a standard environmental chamber for traditional HALT/HASS testing.
- Wide vibration range from 1 to 60 G's for precise failure detection.
- Watlow® F4 Controller for easy, reliable control.



SQL base inside an Environmental Chamber

ACCESSORIES

- Optional Pin Point Conditioning (PPC) exposes micro-components to independent temperatures between -15°C to 80°C for localized thermal stress.
- Optional WATVIEW® software package for remote Ethernet-based connectivity from PC.
- Modular Arm Bar Fixture Kit for mounting your DUT.



Pin Point Conditioning Device



SQL™-16

BENCHTOP HALT/HASS VIBRATION SYSTEM

System Specifications

Vibration Range	1-60 GRMS (5 Hz - 5 kHz).
Vibration Table	16" x 16" surface with 3/8-16" mounting inserts on 2.75" centers.
Exciters	Four pneumatically actuated hammers, which generate six degrees of freedom, non-coherent, broad band excitation.
Vibration Table Maximum Payload	60 lbs.
Lid Construction	Polypropylene lid with Lexan® window . Quick release hinges and shocks. Sound dampening lid opens to 90° for easy access.
Modular Design	Its modular design features the ability to remove the control panel and the lid from the base unit allowing it to fit in a 24" x 24" standard mechanical refrigerated chamber for traditional HALT/HASS testing.
Base Assembly	Stainless Steel interior and exterior base.
Temperature Range	-75°C to 150°C (-103°F to 238°F) - Base assembly only.
Access Port	1.5" diameter access port.
Control	Watlow F4 Controller.
Channels	Vibration: 1 Table Control, 1 auxiliary channel.
Software Programs (optional)	WATVIEW Runtime edition software package.
Interior Workspace Dimensions	19" w x 19" d x 11" h.
Exterior Dimensions	30" w x 22" d x 22" h (including control panel & lid).
Weight	160 lbs.
Power Requirements	85-250 VAC, 50/60 Hz, 1 Phase, 5A Service
Compressed Air	20 SCFM @ 95 psi.
Sound Levels	78 dB at 1 meter.
Accelerometer	One accelerometer for table control with 10 ft accelerometer cable.
Pin Point Conditioning (optional)	Temperature Range: -15° C to 80° C Conditioned Area: 0.5 in ² Compressed Air Required: 10 SCFM @ 95 psi
Manual	Operations & Maintenance Manual included.
Warranty	One year warranty.

- All specifications are subject to change without notice.