

## RSL-16 PORTABLE SHAKER

*Repetitive Shock, Low Frequency*



### Integrated, Portable System for HALT/HASS

Perform Highly Accelerated Life Testing (HALT) and High Accelerated Stress Screening (HASS) in a new or existing Thermotron chamber, with a fully integrated RSL-16 Portable Shaker. This cost-effective solution provides repetitive shock vibration testing within the Thermotron chamber's full range of temperature and humidity capabilities. This shaker can be easily inserted, allowing for full air movement around the product(s), or it can be removed for full access to the chamber workspace.

Each impactor has individual air modulation to smooth frequency response and improve vibration control. The exclusive Windows®-based 8800 Programmer Controller allows programming, graphing, and reporting of temperature, humidity, and repetitive shock vibration—all on one screen.



### 8800 Programmer Controller

Thermotron's exclusive Windows®-based controller allows users to easily program and accurately control temperature, humidity, and vibration test profiles from one screen.

The controller also features endless graphing capabilities, service messages, and in-depth report generation. All data can be exported to commonly used spreadsheet formats.

# STEP-BY-STEP PROCESS



**Step 1:** The cart stores the shaker when not in use and allows the chamber to be used on its own.



**Step 2:** The integrated loading ramp and shaker casters simplify shaker-to-chamber transition.



**Step 3:** The cart then plugs into the Universal Port to begin the test.

# GENERAL SPECIFICATIONS

Repetitive Shock Table	
inches/cm (# of Impactors)	18 x 18/46 x 46 (4)
Table Weight	70 lbs/32 kg
Frequency Range	2 to > 20,000 Hz
Acceleration Levels	5-60 Grms*, 2-10,000 Hz
Average Air Consumption	90 PSI (6.2 BAR) Compressed Air 6.0 SCFM/Impactor (24.0 SCFM total)
Axes Excited	3 Linear, 3 Rotational
Grid Pattern	4 x 4" Grid (100 mm available)
Table Temperature Range	-70°C to 180°C (-94°F to 356°F)*†
Power Configuration	115/1/60 220/1/50
Control/Monitor Channels	1 Accelerometer Input Channels (3 more optional)
Shaker Assembly	150 lbs/68 kg

Requires Universal Port option on chamber.  
US Patent #: 7,784,349; 6,446,508; 6,044,709

\*For international shipments without an export license, the RSL-16 Portable Shaker may be factory configured to limit temperature (RSL-16-E Portable Shaker) or vibration (RSL-16-V Portable Shaker) range.

†To run extreme temperatures for extended periods of time, please talk with your local sales representative.

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