

HALT & HASS

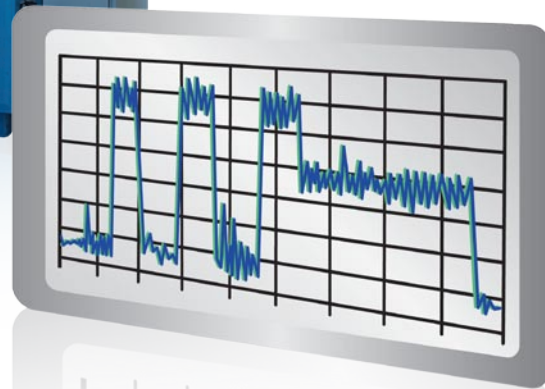


Environmental



Benefits of HALT & HASS testing:

- *Increase product reliability*
- *Minimize costly warranty claims*
- *Quickly discover design and production flaws*
- *Reduce total design and engineering time & costs*
- *Shorter time to market*
- *Lengthen product life*



Hermon Laboratories uses the most advanced testing equipment featuring:

- High temperature, low temperature, rapid temperature cycling combined with tri-axial vibration, software-controlled.
- Large work size.
- Ceramic coated vibration table with 90% of vibration energy concentrated in the 5 - 4000 Hz low frequency range and applied equally to all axes.
- Tri-Axial vibrations, Six-Degree-of-Freedom (6DoF) with a non-coherent broadband spectrum of 5-10000 Hz at a level up to 100 gRMS.
- 9 Pneumatic actuators achieves accuracy of +/- 1gRMS within 1 minute.
- -100°C and +200°C temperature range with the maximum temperature rate of 70°C/min. A closed loop cascade temperature control, based on measurement of air and product temperature, with an accuracy of $\pm 10^{\circ}\text{C}$ (after maximum stabilization for 2 minutes).
- Fast turn around services tailored to customers needs.
- FFT and Failure analysis

