

Specifications

Sequential Testing

An optional Sequencer Unit allows the shaker system to remain dormant, during the ESS cycle, until required for use. A single volt-free contact closure from the chamber control system enables the amplifier start-up circuits to energise the shaker magnetic field, start the cooling blower and activate the drive circuits. After a few seconds delay, the amplifier then sends a start signal to the vibration control system to initiate the vibration test. Optional software within the Siras Pro control system permits various tests to be sequenced without manual intervention.

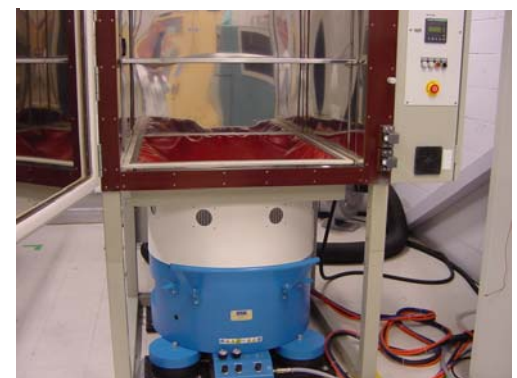
On completion of the vibration tests the chamber control system opens a contact and the shaker system shuts down.

This facility to sequence tests has two main advantages:

- Long term tests can be performed without any need for personnel to be present. This reduces any associated manpower costs.
- By allowing the shaker to remain powered down during the climatic cycles there can be a significant saving in energy costs.



Shaker, head expander and slip table at Autoliv



Shaker on air glides at Hamlin Electronics



V26 shaker showing guidance handle, foam thermal barrier and air glides.



Small shaker head extender



Raised insert for push on foam thermal barrier



Phenolic thermal barrier showing side clamping strips on each edge for chamber floor diaphragm.

Slip table thermal barrier with edging strips to secure the chamber floor diaphragm



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