ShockVIEW

Standard Pulse Shapes

Select from half-sine, haversine, initial-peak sawtooth, terminal-peak sawtooth, triangle, trapezoid and square pulse shapes. Pulse widths can be 0.1 ms to 1000 ms.

Control channels

The control signal can be a single input channel, or an average of from 2 to 8 different input channels

Test scheduling

Repeat a pulse from 1 to more than 2 billion times, with a configurable repetition rate. Tests can be configured to run pulses at different amplitude levels.

Configurable safety limits

To protect your test article and shaker system, configurable acceleration and drive limits can be set by the user. The control input is also verified against shaker force, velocity, and displacement ratings.

Equalization

The controller automatically equalizes the response of the shaker/fixture/product prior to running the test. This equalization can be memorized and stored with the test to quickly start a test at a full equalized level.
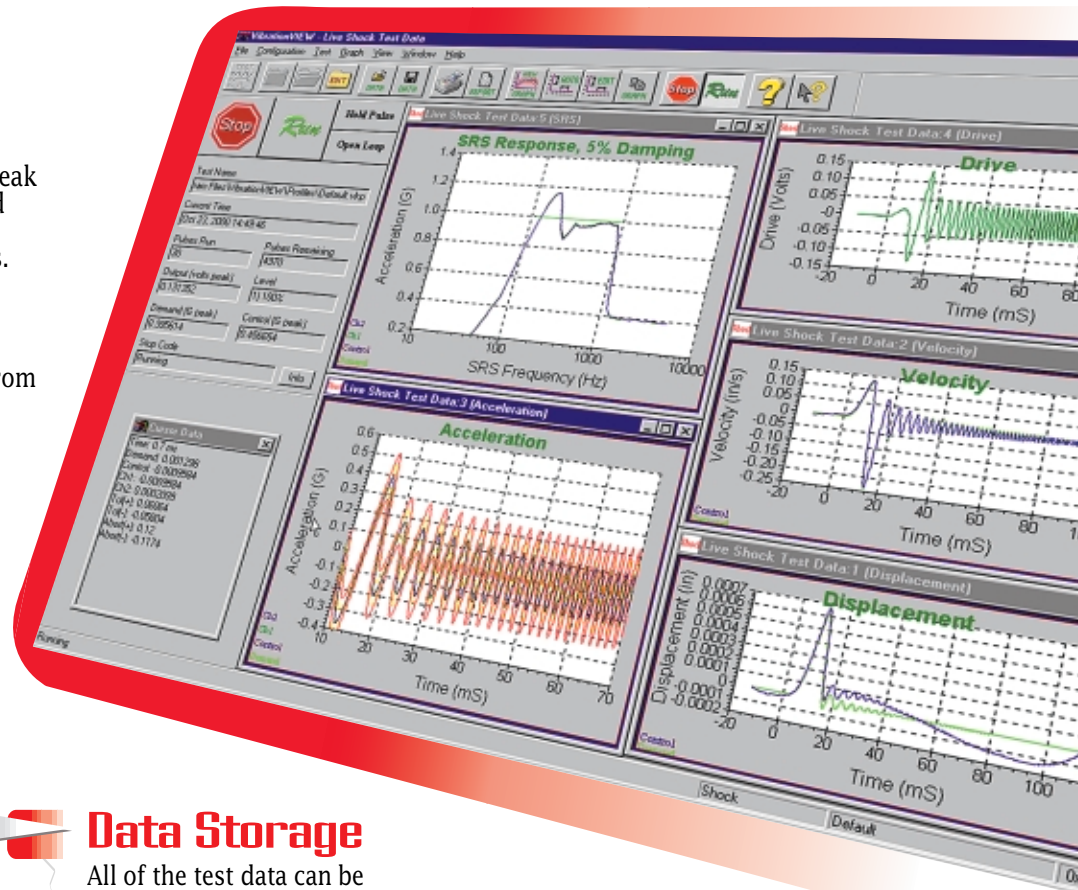
Data Storage

All of the test data can be stored to the disk for later retrieval. Data storage can be done manually or programmed to automatically store at user-defined pulse intervals.

Reference Output

The second output channel supplies a reference signal to indicate when a pulse is running. This can be used to trigger external measurement devices.

Data plots

Many graphical display options are available, including acceleration, velocity, displacement, output voltage, acceleration and drive spectra. Graphs can be easily auto-scaled or zoomed, and cursors displayed. Data and text annotations can be easily placed on the graphs, with data values updated live as the data changes.

VIBRATION RESEARCH CORPORATION

2385 Wilshere Dr. Suite A
Jenison, MI 49428 USA

PH (616) 669-3028
FAX (616) 669-5337