THE INNOVATOR IN
SOUND & VIBRATION TECHNOLOGY

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VR9700 Vibration Controller

Sine | Random | Shock | Sine Resonance Track and Dwell | Shock Response Spectrum | Sine-on-Sine | Recorder | Sine-on-Random | Random-on-Random | Transient Capture | Field Data Replication (FDR) | Instant Degrees of Freedom® (iDOF) | Sine Tracking, Analysis and Generation® (STAG®) | Kurtosion® | Fatigue Damage Spectrum (FDS) |

VALUABLE BENEFITS

Mix-n-Match
Each module can be used independently on separate shakers or together in a single stack for jobs requiring a higher channel count. This economic solution creates substantial cost savings for our customers.

Warranty
Three-year hardware warranty can be extended to a **lifetime** warranty with continual renewal (no lapse) of a support agreement.

DARE TO COMPARE - FOR 30 DAYS.

Skeptical that we can't meet your standards? Put us to the test. We'll let you try our products for 30 days. Once you use them, we think you'll be hooked.

GENERAL SPECIFICATIONS

- Up to 128 channels (mix-n-match)
- 104,000 lines of resolution
- Emergency stop
- Remote inputs/outputs including Tachometer
- Control sine, random, or shock vibration to 50,000Hz
- Total harmonic distortion < -100dB THD+N

VR9700

INPUT CHANNELS

Channel Specifications
Single-ended with 100kΩ impedance
Custom units can be defined for other sensor types
Switchable isolation

Protected
200V tolerant inputs protect your device from transients

Resolution
24-bit

Dynamic Range
> 110dB dynamic range
> 130dB with tracking filters

Noise Floor
<70nV/√Hz

Sample Rate
256kHz simultaneous sample rate

Filtering
Analog multiple pole anti-aliasing filter, and digital anti-aliasing filter with >105dB attenuation

Voltage Range
±1V and ±10V 100kΩ input impedance
±0.5V and ±5V 10MΩ input impedance

Set-up Parameters
Accelerometer constant current supply (4mA IEPE)

TEDS transducer interface

OUTPUT CHANNELS

Channel Type
Two analog, two digital

Filtering
Analog multiple pole reconstruction filters

Resolution
32-bit

Voltage Range
±10V

Frequency Range
50,000Hz; 256,000 samples per second

Other
Safety relay prevents shaker, amplifier, and product damage from transient

Optionally drive a differential input or COLA device