

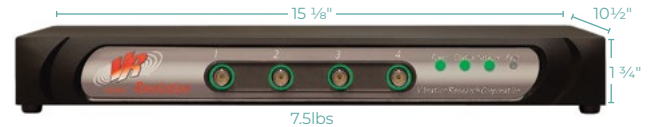


THE INNOVATOR IN
**SOUND & VIBRATION
TECHNOLOGY**

+1.616.669.3028
VibrationResearch.com
vrsales@VibrationResearch.com

VR9500®

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.



GENERAL SPECIFICATIONS

- Up to 128 channels (mix-n-match)
- 26,000 lines of resolution
- Digital Inputs/Outputs
- Emergency stop
- Control sine, random, or shock vibration to 50,000Hz
- Total harmonic distortion < -100dB THD+N



VR9500

INPUT CHANNELS

- Single-ended with 100kΩ impedance
- Differential with 200kΩ impedance
- Custom units can be defined for other sensor types

Protected

200V tolerant inputs protect your device from transients

Resolution

24-bit

Dynamic Range

> 110dB dynamic range
> 130dB with tracking filters

Filtering

Analog multiple pole anti-aliasing filter, and digital anti-aliasing filter with >92dB attenuation

Noise Floor

<70nV/√Hz spurious free

Sample Rate

200kHz simultaneous sample rate

Voltage Range

±1V, ±10V, ±20V:
100kΩ input impedance

Set-up Parameters

Accelerometer constant current supply (4mA IEPE)

TEDS transducer interface

OUTPUT CHANNELS

Output Channels

Two

Filtering

Analog multiple pole filter plus a digital filter
Analog reconstruction filters

Resolution

24-bit

Voltage Range

±1V, ±12V

Frequency Range

50,000Hz
200,000 samples per second

Other

Independent or phase controlled 2nd output

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

Optionally drive a differential input device

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.