

1000 Vibration Test System

Lansmont's Model 1000 Vibration Test System is the smallest member in the servo-hydraulic family of vibration test systems. The 1000 is designed to test small and light-weight individual products and/or packages. This system features a hydraulic actuator designed specifically for today's testing profiles, a reliable hydraulic power supply, and Lansmont's extremely popular TouchTest vibration control system. Let Lansmont help you configure a Model 1000 vibration test system that will meet your demands today!



1000 Features:

- 25.6 in. square (65 cm) cast aluminum table. The Model 1000 Vib has a piston stroke of 2.5 in. (6.4 cm) and handles payloads up to 75 lb (34 kg).
- Windows™ based vibration control system, including Lansmont's extremely powerful TouchTest Vibration software.
- Random vibration, swept-sine vibration, resonance search and dwell, repetitive bounce and powerful user-defined profiles all included.
- Fully integrated pump and servo controls, all designed and manufactured by the Lansmont Corporation. Self-contained hydraulic power supply requires no additional cooling water...simply plug-in and run.
- Field-to-Lab® ready. Simple transfer of data from your Lansmont SAVER™ to your vibration controller for real-world random vibration tests.
- Full range of applications training programs available.
- Worldwide Customer Service department.



Vibration Testing Benefits:

- Identify design and production defects.
- Increase product ruggedness.
- Reduce packaging costs.
- Eliminate shipping damage.

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1000 Vibration Test Systems

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Sizes	Standard size: 25.6 in. (65.1 cm) sq. Optional sizes: 15.7 in. (40 cm) and 33.5 in. (85 cm) sq.
Seismic Base Options	1000 lb. (454 kg), or 1,500 lbs. (680 kg) base optional
PERFORMANCE	
Load Capacity, Maximum	75 lbs. (34 kg)
Load Capacity, Maximum (with optional 1-G Supports)	N/A
Maximum Stroke (Peak-To-Peak)	2.5 in. (6.4 cm)
Frequency Range	2–300 Hz
Actuator Stall Force at 2,000 psi (138 bar)	508 lbs. (230 kg) at 2,000 psi (138 bar) (2.3 kN)
HYDRAULIC POWER SUPPLY	
Voltage	115–230 VAC
Frequency	50–60 Hz
Phase	Single Phase
HPS Motor Rating	2 HP
POWER REQUIREMENTS, CONTROL	
Voltage	100–220 VAC
Frequency	50–60 Hz
Phase	Single Phase
ENVIRONMENTAL	
Cooling Water	Not Required. Air-cooled HPS
Plant Air (*)	Not Required

TouchTest Vibration Controls:

- Available in either Bench-Top or Full "System Station" Configurations. Both Options have identical functionality; the System Station offers a convenient, stylish enclosure for controls.
- Extremely powerful, Windows™ based software.
- Reliable, fully-integrated pump/servo controls.
- Intuitive interface and full-featured help files make machine operation simple.
- Quick, easy data upload from Lansmont field data recorders makes Field-to-Lab® simulations a snap.
- Easy sharing of data via e-mail, internet, and export to other popular programs such as Word™ and Excel™.

