

6200 Vibration Test System

Lansmont's Model 6200 Vibration Test System was designed for product testing requiring a lot of stroke. This increased stroke allows a great deal of versatility when performing low frequency, high energy vibration test profiles which are becoming more and more common due to the increased implementation of Field-to-Lab® results in test protocols. The 6200 features a rugged 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 6200 vibration test system that will meet your demands today!



6200 Features:

- Extremely versatile, the 6200 can be configured with table sizes from 33.4 in. x 33.4 in. (85 cm x 85 cm) to 60 in. x 60 in. (152 cm x 152 cm). It has a piston stroke of 6 in. (15.2 cm) and handles payloads up to 2,000 lbs. (907 kg) without One-G supports and 3,000 lbs. (1361 kg) with One-G supports.
- 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.
- Field-to-Lab® ready. Simple transfer of data from your Lansmont SAVER™ to your vibration controller for real-world random vibration tests.
- Global Customer Support offers professional services including repair, maintenance, calibration and training.



Vibration Testing Benefits:

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

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6200 Vibration Test Systems

TECHNICAL SPECIFICATIONS

PHYSICAL	
Table Sizes	From 25.6 in. x 25.6 in. (65 cm x 65 cm) to 72 in. x 84 in. (183 cm x 213 cm)
Seismic Base Options	From 5,000 lbs. – 13,500 lbs. (2268 kg – 6124 kg)

PERFORMANCE	
Maximum Load Capacity*	2,000 lbs. (907 kg) standard 3,000 lbs. (1361 kg) with optional 1-G Supports
Maximum Stroke (Peak-To-Peak)	6 in. (15.2 cm)
Frequency Range	2 – 300 Hz 2 – 500 Hz with high performance valves & tables
Actuator Stall Force at 3,000 psi (207 bar)	7,304 lbs. (32.5 kN)

HYDRAULIC POWER	
Voltage	200 –480 VAC
Frequency	50 – 60 Hz
Phase	Three Phase
HPS Motor Rating	20 HP, Standard 75 HP, High Performance Option

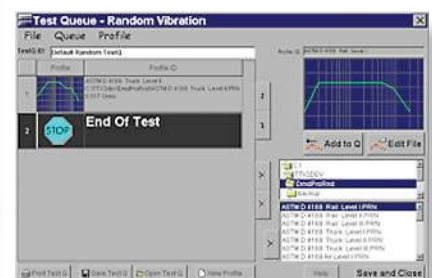
POWER REQUIREMENTS, CONTROLS	
Voltage	100 – 120 VAC 5 amps minimum (standard) 200 – 240 VAC 3.15 amps minimum (standard)
Frequency	50 – 60 Hz
Phase	Single Phase

ENVIRONMENTAL	
Cooling Water (air cooled options available)	20 HP model: 5 gpm (18.9 l/min.) at 60° F (15.6° C) or 7.5 gpm (28.4 l/min) at 75° F (23.9° C) 75 HP model: 17 gpm (64.4 l/min.) at 60° F (15.6° C) or 25 gpm (94.6 l/min) at 75° F (23.9° C)
Plant Air	0.5 SCFM plant air @ 80 psi (5.5 bar) for all Vibration Machines utilizing the 1-G Support system.

* Actual load capacity varies depending on table size and seismic base selections

TouchTest™ Vibration Controls:

- Available in either Bench-Top or Full SystemStation Configurations. Both options have identical functionality; the SystemStation offers a convenient, stylish enclosure for controls.
- Extremely powerful, Windows™ based software
- Reliable, full-integrated pump/servo controls.
- Intuitive interface and full-featured help files make machine operations 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 programs such as Word™ and Excel™.



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