

Model 65/81 Shock Test System

Lansmont's Model 65/81 offers the test engineer a wide range of performance, with its 25.6 in. x 31.9 in. (65 cm x 81 cm) cast aluminum table, 500 lbs. (227 kg) payload capacity, and peak half-sine acceleration of 600 g's. The Model 65/81 can be configured to perform half-sine, trapezoidal and terminal peak saw-tooth waveforms with minimum set-up times between pulses. The one-piece cast aluminum table, Damage Boundary Programmers, and integral seismic reaction mass work in harmony to produce extremely clean, repeatable shock pulses. The Model 65/81 is the ideal solution for testing small to mid-size products where pulse quality and system reliability are of critical importance. The Model 65/81 comes standard with Lansmont's TouchTest™ Shock II Control System, which allows the operator full control over all shock test parameters and includes advanced features such as shock pulse predictor, auto-cycle for consecutive shock pulses, and a wide range of user programmability.

65/81 Features:

- Extremely clean shock waveforms. The Model 65/81 meets or exceeds many industrial, military, and corporate shock testing standards and specifications.
- A wide range of shock pulses is possible with the Model 65/81.
- Repetitive Shock Mode automatically repeats a pulse up to 30,000 times.
- Proven durability and reliability.
- The Model 65/81 utilizes hydro-pneumatic brakes which automatically engage in the event of power failure. The 65/81 also comes standard with one pressure sensitive safety mat.
- Lansmont's TouchTest™ Shock II Controls incorporated with Lansmont's Test Partner Data Acquisition System provide the most powerful shock system controller available!
- Global Customer Support offers professional services including repair, maintenance, calibration and training.



17 Mandeville Court, Monterey, CA 93940
1-800-LANSMONT • www.lansmont.com

Model 65/81 Shock Test System

TECHNICAL SPECIFICATIONS

PHYSICAL

Table Mounting Surface:	
Side to Side (between guide rods)	25.6 in. (65 cm)
Front to Back	31.9 in. (81 cm)
Height	No Restrictions
Table Weight	450 lbs. (204 kg)

PERFORMANCE

Maximum Specimen Weight	500 lbs. (227 kg)
Maximum Acceleration (bare table)	600 g
Minimum (bare table)	2 msec (half-sine)
Maximum (bare table)	24 ft/sec (7.3 m/sec) standard*

Note: Maximum Acceleration, Shock Pulse Duration and Velocity Change vary considerably depending on the table weight, specimen weight and programming material. The values listed are to be used as general guidelines only.

MACHINE SIZE

Height	119 in. – 149 in. (303 cm – 379 cm)
Side to Side	59 in. (150 cm)
Front to Back	32 in. (81 cm) standard
Weight	5,200 lbs. – 6,000 lbs. (2359 kg – 2721 kg)

UTILITIES

Minimum Service Requirement (Electrical)	
Hoist ½ Ton Capacity (Voltage / Frequency / Current):	200-240VAC/3Ø/50-60 Hz: 5 amp minimum (standard) 380-480VAC/3Ø/50-60 Hz: 3 amp minimum (standard) 110-120VAC/1Ø/50-60 Hz: 15 amp minimum (optional) 220-240VAC/1Ø/50-60 Hz: 10 amp minimum (optional)
Controls: (Voltage / Frequency / Current):	100-120VAC/1Ø/50-60 Hz: 3 amp minimum 200-240VAC/1Ø/50-60 Hz: 3 amp minimum
Nitrogen	2,200 psi (152 bar)
Plant Air	90 psi (6.2 bar) with LIK option and/or low frequency suspension.
SHIPPING WEIGHT	7,000 lbs. – 8,000 lbs. (3175 kg – 3629 kg)

* Higher velocity changes possible... Contact Lansmont.



TouchTest™ Shock II Controls:

- Available in Bench-Top Controls.
- Fully integrated machine setup and control.
- Touch-screen user interface.
- New shock pulse predictor feature makes setting up shock pulses easier than ever.
- Automatically communicates with Lansmont's Test Partner Data Acquisition and Analysis System for the most advanced shock analysis ever.