

TouchTest™ Shock II Control System (for use with Lansmont Shock Test Systems)

To control the operations of your Lansmont Shock Test System, Lansmont offers the TouchTest™ Shock II Control System, an easy-to-use touch screen interface. The heart of the TTS II system is an integrated micro-controller, which is used to control all machine operations and is interfaced through an LCD touch screen display. The machine controller allows the operator to set up basic functions, such as drop height, brake pressure, and programmer pressure. More advanced set-up features, such as shock pulse predictor and auto-cycle functions are also included within the control system. TTS II comes standard with most Lansmont Shock Test Systems and is available optionally for the Model 23.

Lansmont strongly recommends that our customers complement their TTS II Control System with our popular TestPartner™ Data Acquisition System. TestPartner is a Windows-based software system that includes powerful analysis tools. Among these are Shock Response Spectrum (SRS) analysis, FFT analysis, shock response animation in both 2D and 3D modes, Shock Response analysis with programmable model Fn and damping, and tolerance band overlays with selectable MIL-STD and programmable pulse parameters. TTS II is an incredibly reliable control system, which combined with TestPartner for analyzing your shock events, makes up an extraordinarily powerful set of tools for shock testing.

TTS II comes in two versions: Lansmont's Bench-Top version includes micro-controller, desk top LCD monitor, control system interface, and all interconnecting cables. You have everything you need accept the cart or bench. For those customers who want a more elegant and integrated solution, Lansmont offers the full SystemStation version, which includes micro-controller, control system interface, large LCD flat panel touch screen display, and all interconnecting cables conveniently packaged in a roll-around floor standing console, which can be preconfigured to include the Test Partner data acquisition computer and system.

If you currently have an older Lansmont shock test system, the new TTS II controller has been designed so that you can easily retrofit your existing machine with it, enabling you to have the latest state-of-the-art shock tester without the investment of an entirely new shock machine. Either the Bench-Top option or full SystemStation option may be selected, and the upgrade includes a retrofit to the machine's existing electrical J-box and optical positioning system.



Features:

- Touch panel simplicity
- User programmable operation
- Two controller versions; Bench-Top and System Station
- Easily upgradeable to existing machines
- Full range of shock test capabilities
- Manual Control Mode: User controls every portion of drop sequence.
- Autocycle Control Mode: Automated drop sequence. Allows for drop cycles up to 32,000 drops.
- Shock Pulse Estimator: Allows the user to set machine settings based on a desired shock pulse.
- Programmable Safety Interlocks: Three independent programmable safety interlocks provided for general use.

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TECHNICAL SPECIFICATIONS

TOUCHTEST SHOCK CONTROLS	BENCH-TOP VERSION	SYSTEM STATION VERSION
Computer	Embedded PC for Machine Control	Embedded PC for Machine Control
		Windows™-Based, Pentium PC, Data Acquisition
Monitor	4 in. LCD Greyscale Touch Screen	4 in. LCD Greyscale Touch Screen
		17 in. Color LCD TouchScreen, Data Acquisition
Printer	N/A	Color Ink-Jet Printer
Mounting	Packaged for use on Computer Table or Cart	Fully Contained SystemStation Work Center

INTERFACE

	Lansmont Machine Interface, Fully Integrated	Lansmont Machine Interface, Fully Integrated
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OPERATING

	User adds TestPartner Data Acquisition system or other data acquisition system.	Integrates the TouchTest Shock II Controls with TestPartner Data Acquisition system into one convenient package.
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SOFTWARE

	Lansmont TouchTest Shock II Control Software	Lansmont TouchTest Shock II Control Software
		TestPartner TP3, etc. Data Acquisition Software

POWER

Voltage	Power from Machine's Main Voltage	100-120VAC/1Ø/50-60 Hz: 3 amp minimum 200-240VAC/1Ø/50-60 Hz: 3 amp minimum
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