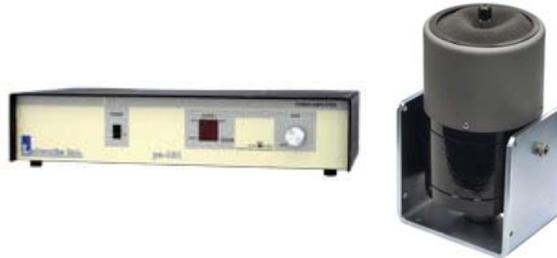




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LW163.151-25



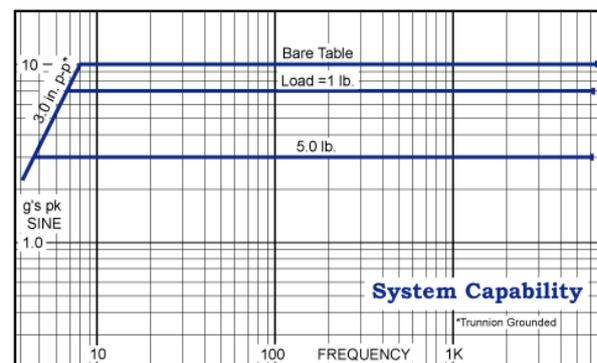
The LW163.151-25 system utilizes the Labworks MT-163 3"p-p thruster and convection cooled pa-151 linear power amplifier to form our lower force 3" permanent magnet field modal test system. The thruster's 3.0 inch stroke capability and low suspension spring rate makes this system ideal for many modal test applications. The thrusters armature features a through hole, and a single collett stinger attachment to accommodate both tension wire and stinger modal testing. The convection cooled PA-151 amplifier is direct coupled to the shaker to give the maximum performance at both low and high frequencies and can be easily switched from voltage source mode to current source mode for force input testing applications. The standard voltage-proportional-to-current amplifier signal output facilitates servoed test operation. Dual bar graphs display the system operating levels and internal and external interlock circuitry helps protect the system from accidental abuse.

General Specifications

Sine force	25 lbs force pk
Blocked Armature Sine Force	20 lbs force pk (>5 Hz) 10 lbs force pk (<1 Hz)
Random force	10 lbf rms random
Shock force	35 lbf pk shock
Frequency Range:	DC to 6500 Hz
Maximum Acceleration:	10 g pk, bare table 7 g pk, 1 lb. load 3.3 g pk, 5 lb. load
Maximum Displacement:	3.0 inch pk-pk
Cooling:	Amplifier: natural convection Shaker: natural convection
Power Requirements:	300 VA @ 100, 115, 200, 230 Vac, single phase 50/60 Hz

System Components

[MT-163 Modal Thruster](#)
[PA-151 Linear Power Amplifier](#)
[MS-129-163 Modal Stinger Kit](#)
 Interconnect Cables and Hoses



System Options

[VL-144/VL-145 Vibration Controller](#)
[SC-121 Sine Servo Controller](#)
[SG-135 Manual Sine Controller](#)
 Amplifier Rack Mount Brackets
 Rack Cabinet
[Accelerometer Package](#)
[SI-163 Base Isolation Mounts](#)



SI-163



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