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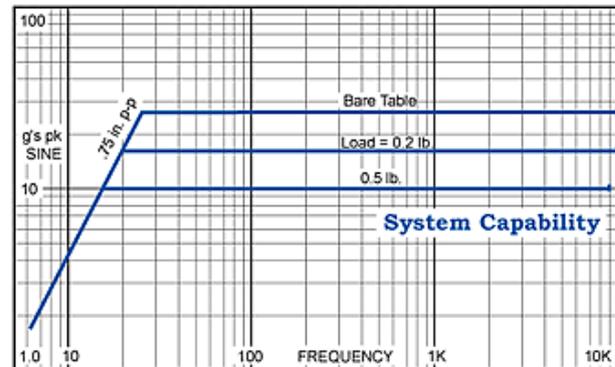
LW161.151-9



The LW161.151-9 system utilizes the compact Labworks MT-161 thruster and convection cooled PA-151 linear power amplifier to form our smallest dedicated modal test system. The thruster's full 0.75 inch stroke capability, low suspension spring rate and light weight armature makes this system ideal for most small modal test applications. The thruster features a through hole, and a single collett or thread load 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 interlocks help protect the system from accidental abuse.

General Specifications

Sine force	9.0 lbs force pk
Random force	7.0 lbf rms random
Shock force	21 lbf pk shock
Frequency Range:	DC to 10,000 Hz
Maximum Acceleration:	26 g pk, bare table 16 g pk, 0.2 lb. load 10 g pk, 0.5 lb. load
Maximum Displacement:	0.75 inch pk-pk, bare table
Cooling:	Amplifier: natural convection Shaker: natural convection
Power Requirements:	300 VA @ 100, 115, 220, or 230V, single phase 50/60 Hz



System Components

[MT-161-4 Electrodynamic Shaker](#)

[PA-151 Linear Power Amplifier](#)

[MS-129-161 Modal Stinger Kit](#)

Interconnect Cables and Hoses

System Options

[SC-121 Sine Servo Controller](#)

[SG-135 Manual Sine Controller](#)

Amplifier Rack Mount Brackets

Rack Cabinet

[Accelerometer Package](#)



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