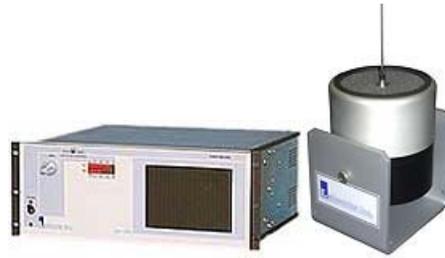




>> Home

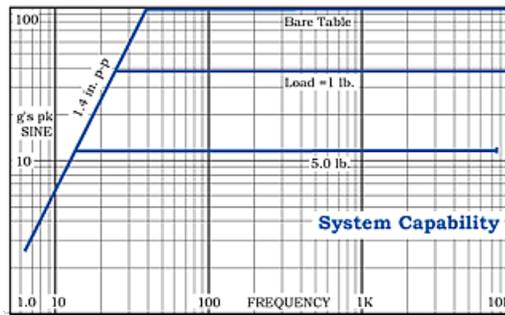
LW160.141-60



The LW160.141-60 system utilizes the Labworks MT-160 thruster and PA-141 linear power amplifier to form our highest performance dedicated modal test system. The thruster's full 1.4 inch stroke capability, low suspension spring rate and light-weight armature makes this system ideal for most modal test applications. The thruster body features a through hole, and a single collet or thread load attachment to accommodate both tension wire and stinger modal testing. The PA-141 amplifier is direct coupled to the shaker to give the maximum performance at DC through high frequencies and can be easily switched from voltage source mode to current source mode for force input testing applications. The voltage-proportional-to-current amplifier signal output facilitates servoed force 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	60 lbs force pk
Random force	28 lbf rms random
Shock force	70 lbf pk shock
Frequency Range:	DC to 10,000 Hz
Maximum Acceleration:	100 g pk, bare table 38 g pk, 1.0 lb. load 11 g pk, 5 lb. load
Maximum Displacement:	1.4 inch pk-pk, bare table
Cooling:	Amplifier: forced air Shaker: cooling vacuum
Power Requirements:	3,000 VA @ 100, 110, 200, 220, or 240V, single phase 50/60 Hz



System Components

- [MT-160 Electrodynamic Shaker](#)
- [PA-141 Linear Power Amplifier](#)
- [CB-152-160 Cooling Vacuum](#)
- [MS-129-160 Modal Stinger Kit](#)
- Interconnect Cables and Hoses

System Options

- [VL-144/VL-145 Vib. Controller](#)
- [SC-121 Sine Servo Controller](#)
- [SG-135 Manual Sine Controller](#)
- Rack Cabinet
- [Accelerometer Package](#)
- [SI-160 Base Isolation Mounts](#)



SI-160

