



>> Home

LW160.151-30



The LW160.151-30 system utilizes the Labworks MT-160 thruster and convection cooled pa-151 linear power amplifier to form our most popular convection cooled permanent magnet field 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 features a through hole, and a single collet 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.

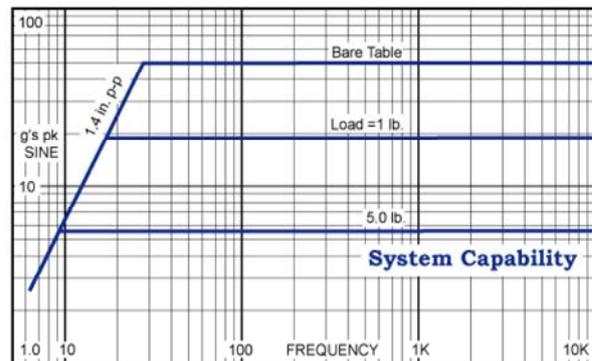
General Specifications

| | |
|-----------------------|--|
| Sine force | 30 lbs force pk |
| Random force | 15 lbf rms random |
| Shock force | 38 lbf pk shock |
| Frequency Range: | DC to 10,000 Hz |
| Maximum Acceleration: | 50 g pk, bare table 19 g pk, 1 lb. load 5.4 g pk, 5 lb. load |
| Maximum Displacement: | 1.4 inch pk-pk, bare table |
| Cooling: | Amplifier: natural convection Shaker: natural convection |
| Power Requirements: | 300 VA @ 100, 115, 200, 230 Vac, single phase 50/60 Hz |

System Components

[MT-160 Modal Thruster](#)
[PA-151 Linear Power Amplifier](#)
[MS-129-160 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-160 Base Isolation Mounts](#)



SI-160



2950 airway ave., a-16 • costa mesa, ca 92626 • phone (714) 549-1981 • fax (714) 549-8041