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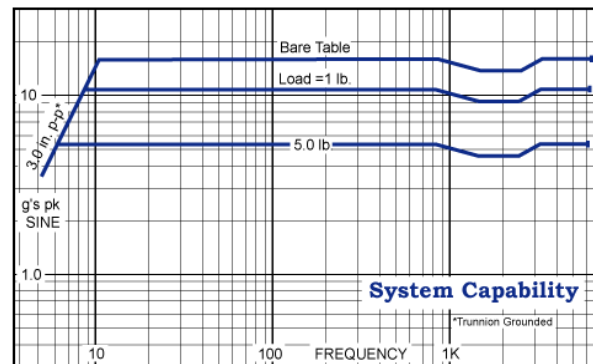
LW163.138-40



The LW163.138-40 system utilizes the Labworks MT-163 3"p-p thruster and pa-138 linear power amplifier to form our most popular permanent magnet field modal test system. The thruster's 3.0 inch stroke capability and low suspension spring rate makes this system ideal for most 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 PA-138 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	40 lbs force pk 35 lbs force pk (1.5K-2.5KHz)
Blocked Armature Sine Force	40 lbs force pk
Random force	15 lbf rms random
Shock force	50 lbf pk shock
Frequency Range:	DC to 6500 Hz
Maximum Acceleration:	16 g pk, bare table 11 g pk, 1 lb. load 5.3 g pk, 5 lb. load
Maximum Displacement:	3.0 inch pk-pk
Cooling:	Amplifier: 2-Speed fan Shaker: <30 lbf: natural convection >30 lbf: cooling vacuum
Power Requirements:	1,000 VA @ 100, 110, 200, 220, or 240V, single phase 50/60 Hz



#### 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](#)  
[CB-152-163 Cooling Vacuum \(>30 lbf\)](#)



SI-166



CB-152

#### System Components

[MT-163 Modal Thruster](#)  
[PA-138 Linear Power Amplifier](#)  
[MS-129-163 Modal Stinger Kit](#)  
 Interconnect Cables and Hoses



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