



>> Home

LW139.141-75D6 DuoBase System



The LW139.141-75D6 Flexure Table system combines our ET-139 permanent magnet field shaker and PA-141 amplifier together with our 6 inch square Flexure suspension Table. This combination provides a large mounting surface with increased load carrying capacity for larger or heavier than normal test specimens not requiring the force of a larger shaker system. The unique flexure suspension table guidance eliminates the requirement for the oil found in slip table systems. This oil-less design allows operation at other than the horizontal orientation, and adds increased suspension guidance reducing the effects of heavy and off-center loads on the shakers armature suspension system.. The Table flexures are fully rated for 1 inch p-p operation, and the shaker can be uncoupled from the table for operation in its normal vertical orientation with specimens mounted directly to the shakers armature.

The air cooled PA-141 amplifier is direct coupled to the shaker to give the maximum performance at low and high frequencies. Dual meters display the system operating levels and complete shaker and user interlocks help protect the system from accidental abuse.

General Specifications

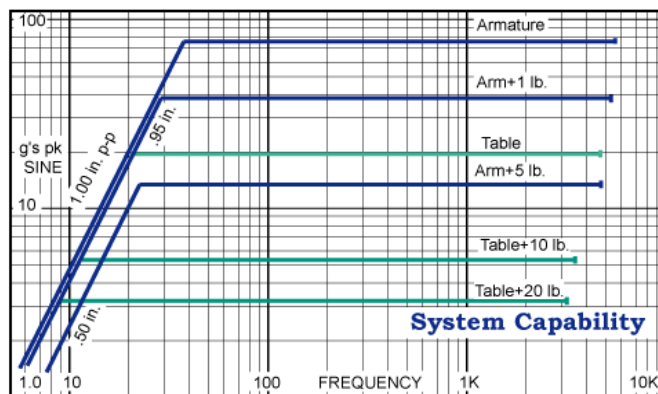
Sine force 75 lbs force pk
 Random force 28 lbf rms random
 Shock force 75 lbf pk shock
 Frequency Range: DC to 6,500 Hz
 Maximum Acceleration:
 Horizontal, w/ Slip Table 20 g pk, bare table
 5.5 g pk, 10 lb. load
 3.2 g pk, 20 lb. load

 Vertical, no Slip Table 75 g pk, bare table
 38 g pk, 1 lb. load
 13 g pk, 5 lb. load

Maximum Displacement: 1.0 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

[ET-139 Electrodynamic Shaker](#)

[PA-141 Linear Power Amplifier](#)

[DB-139 - DuoBase](#)

[CB-152 Cooling Blower](#)

Interconnect Cables and Hoses

System Options

[VL-144/VL-145 Vibration Controller](#)

[SC-121 Sine Servo Controller](#)

[SG-135 Manual Sine Controller](#)

Rack Cabinet

[Accelerometer Package](#)

[SI-139 Base Isolation Mounts](#)



SI-139



ET-139



PA-141



DB-139



CB-152-139



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

#