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LW140.141-110D6 DuoBase System

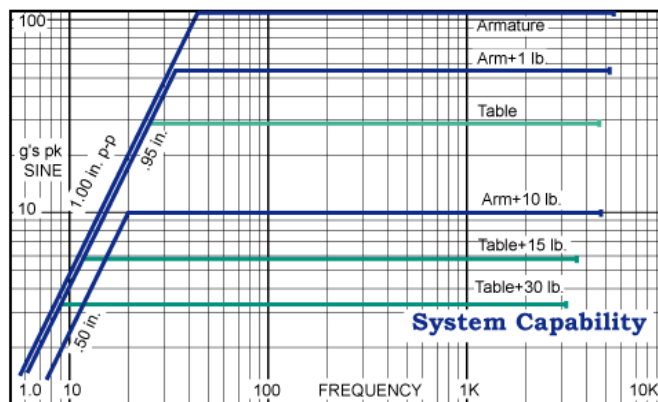


The LW140.141-110D6 Flexure Table system combines our ET-140 shaker and PA-141 amplifier together with our 6 inch square Flexure suspension Table. This combination provides a large mounting surface with increased load carrying capacity for larger or heavier than normal test specimens not requiring the 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	110 lbs force pk
Random force	45 lbf rms random
Shock force	110 lbf pk shock
Frequency Range:	DC to 6,500 Hz
Maximum Acceleration:	
Horizontal, w/ Slip Table	29 g pk, bare table 5.8 g pk, 15 lb. load 3.2 g pk, 30 lb. load
Vertical, no Slip Table	110 g pk, bare table 55 g pk, 1 lb. load 10 g pk, 10 lb. load
Maximum Displacement:	1.0 inch pk-pk, bare table
Cooling:	Amplifier: forced air Shaker: cooling vacuum
Power Requirements:	3,300 VA @ 100, 110, 200, 220, or 240V, single phase 50/60 Hz



System Components

- [ET-140 Electrodynamic Shaker](#)
- [PA-141 Linear Power Amplifier](#)
- [DB-140 - DuoBase](#)
- [FS-140 Integrated Field Supply](#)
- [CB-152-140 Cooling Vacuum](#)
- 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-140 Base Isolation Mounts](#)



SI-140



ET-140



PA-141



DB-140



CB-152-140



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