

MODAL 250A
*“big brother” to new MODAL 110
 and #1 selling MODAL 50A*



MODAL 250A



MODAL 110 and MODAL 50A

MODAL 250A Technical Specifications

Force Output with Forced Air cooling	* 250 lbs. force peak (1115N); 125 lbs. RMS (560N)
Force Output with Ambient Air cooling	* 125 lbs. force peak (550N); 65 lbs. force RMS (290N)
Stroke	* 2 inches (50mm) peak-to-peak stroke
Velocity	* 55 inches/second (1.4m/s)
Acceleration	* 81 g
Frequency Range	* DC-1000 Hz usable to 3000 Hz
Moving Element Weight	* Less than 3 pounds (1.4kg)
Moving Element Axial Resonance	* Approximately 2000 Hz
Driven-Axis Stiffness	* 25 pounds/inch (4.4 N/mm)
Exciter Weight, incl. Trunnion Base	* 250 pounds (115kg)
Stinger Attachment	* ¼-28 (M6) female thread on shaker armature
Shaker Attachments	* floor mount with adjustable trunnion base & screw feet; suspension mount with multiple turnbuckles
Dimensions	* 17-3/16”H X 18”x14” footprint; 435mm High X 460mm X 355mm
Drive Cable Length	* 30 ft (10m); up to 150 ft (50m) optional
Accessory Kit (optional)	* Turnbuckles, wrenches, two M6 stingers X 400mm long, four 11.5kg bolt-on-masses, nuts, bolts, user’s manual
Cooling (optional)	* Portable cooling; with Quiet Enclosure < 60dBA; or shop air
Force Sensor (optional)	* 500 lbs. (2224N) tension & compression; 10 mV/lb (2248 mV/kN)