

Modal testing can be performed with modal hammers or shakers. If high frequency excitation content or signal controlled testing is desired, then modal shakers are the only excitation solution. Dynalabs modal shakers are lightweight and powerful modal shakers which can go up to 12,000 Hz and provide force levels up to 440N with a maximum 25mm stroke.

Advantages:

- Modal stinger can be easily adjusted by the through-hole armature
- Lightweight and portable
- Adjustable trunnion base provides high flexibility
- 25mm stroke and broad frequency range



Technical Specifications

SHAKER	MS-20	MS-100	MS-250	MS-440
Output force (Sinus)	20 N	100 N	250 N	440 N
Frequency range	0 – 12 kHz	0 – 8 kHz	0 – 5 kHz	0 – 5 kHz
Displacement (Peak to Peak)	5 mm	10 mm	25 mm	25 mm
Max acceleration	40 g	60 g	100 g	100 g
Total mass	4.1 kg	9 kg	15 kg	15 kg
Cooling system	Air convection	Air convection	Forced Air	Forced Air
Suspension	Spring	Spring	Spring	Spring
Max. input current	4A	6A	10A	10A
AMPLIFIER	Integrated	Integrated	External	External
Input Voltage	1 VAC	1 VAC	10 VAC	10 VAC

Accessories

- Stinger sets are included in modal shaker packages

Protections for MS-250 and MS-440

- Over travel switch
- Over current fuse