

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

| MODAL 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 – 7.5 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 | 7.3 kg | 11.7 kg | 11.9 kg |
| Cooling system | Air convection | Air convection | Forced Air | Forced Air |
| Suspension | Spring | Carbon Fiber | Carbon Fiber | Carbon Fiber |
| 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