

The shakers used in modal testing and in-flight tests of aircrafts are usually electrodynamic shakers. However, the traditional shakers are not very portable, and the attachment process takes time. Dynalabs inertial shakers are easily mounted and has great mobility. It can be used as hand held.

The main highlights of Dynalabs inertial shaker are:



Advantages:

- Compact and lightweight design
- Superior low frequency performance
- Any angle mounting
- Low friction bearing guided

Technical Specifications

INERTIAL SHAKER	IS-5	IS-10	IS-20	IS-40
Output force	5 N	10 N	20 N	40 N
Maximum peak current	1 A	4 A	4 A	4 A
Frequency range	10-1,000 Hz	10-3,000 Hz	10-3,000 Hz	10-3,000 Hz
Moving assembly mass	0.05kg	0.1 kg	0.1 kg	0.16 kg
Displacement (Peak-to-peak)	0.5 mm	5 mm	8 mm	8 mm
Dimension HxD	25,3mm x 35 mm	40mm x 42mm	46mm x 44.4mm	55 mm x 55 mm
Total mass	0.06 kg	0.24 kg	0.3 kg	0.5 kg
Cooling system	Air convection	Air convection	Air convection	Air convection
Suspension	Spring	Spring	Spring	Spring
AMPLIFIER	External	External	External	External
Input voltage	0.5 VAC	1 VAC	1 VAC	1 VAC
Max. Input Current	1A	4A	4A	4A