

ET-132-203 *Electrodynamic Transducer*



GENERAL DESCRIPTION

The Labworks ET-132 Electrodynamic Transducers are truly portable (only 6 pounds) permanent magnet shakers. With standard trunnions, they are ideally suited for the production screening of small components, or as linear displacement transducers for scholastic, biomedical or laboratory research.

ET-132 shakers incorporate a two layer copper drive coil with a single internally threaded load mounting insert. When directly coupled to a PA-138 or PA-151 linear power amplifier, the ET-132-203 is usable to 11KHz.

The ET-132-203 features an extremely rugged suspension system. Carbon fiber composite leaf flexures and isolated linear bearings provide for low acceleration distortion and eliminate the need for reaction wrenches when mounting a load to the armature. All moving components are field replaceable without the need for demagnetization and there is a positive, rubber-cushioned displacement stop.

- 4.5 POUNDS PK SINE FORCE
- .20 INCH STROKE
- THREADED LOAD MOUNTING INSERT
- LOW STRAY MAGNETIC FIELD
- FREQUENCY RANGE DC - 11 KHz
- TRUNNION MOUNTING BASE

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STANDARD FEATURES

- AIR COOLED
- PERMANENT MAGNETIC DESIGN
- REPLACEABLE HIGH LATERAL STIFFNESS ARMATURE SUSPENSION



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ET-132-203 SPECIFICATIONS¹

PERFORMANCE

Sine force	4.5 lbf pk
Random force	3 lbf rms
Shock force	9 lbf pk
Max displacement	
Continuous pk-pk	.2 in
Between stops	.35 in

PHYSICAL

Armature weight	.07 lb
Suspension stiffness	15 lb/in
Dimensions	5.5" H x 3.6" W x 3.5" D
Shaker weight	6 lbs

OPTIONS

MS-129 Modal Stinger Kit.
Load attachment threads (#10-32 std):
 #6-32, #8-32, M4x.7

¹ Please see systems ratings for additional specifications.

² Load dependent.

Specifications subject to change. Consult factory for latest specifications.

