

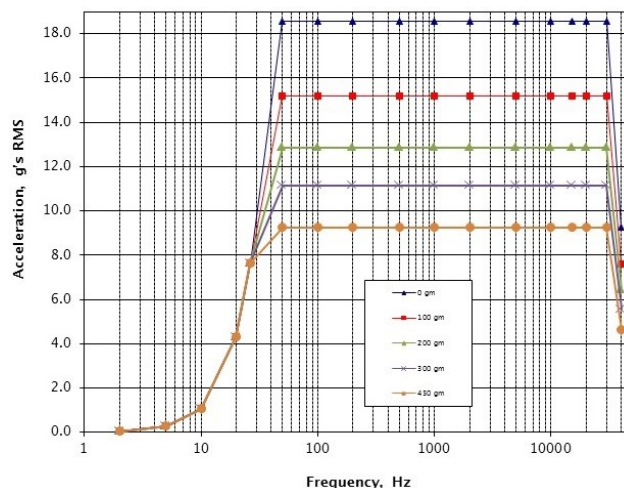
Features:

- Air bearing design
- Calibration bandwidth of 3 Hz to 20 kHz
- Provides improved transverse performance over traditional flexural-based exciters
- Lightweight Beryllium (Be) armature with removable Be test instrument mounting fixture (TIMF)
- Automatic payload re-centering (pneumatic)
- User-replaceable reference accelerometer, not built-in to the armature
- IEPE internal reference accelerometer with 20 mV/g sensitivity; usable range of <1 Hz to 55 kHz; 70 kHz mounted resonance (optional 100 mV/g version)
- Internal reference features extremely low sensitivity to thermal drift
- Capable of resonance frequency search of device under test (DUT) to 50 kHz (max.)
- Capable of 18 g RMS max. acceleration level
- Max. force output: 25 lbs
- Armature axial resonance of 50 kHz $\pm 5\%$
- Complies with ISO 16063-21, Clauses 4.3 & 4.4
- Transverse motion meets ISO 16063-21
- Max. DUT weight/payload: <910 gm
- Transducer mount: Female 10-32 thread (1/4-28 opt.)
- Max. stroke, between stops: 13 mm pk-pk
- Continuous stroke for calibration: 10 mm pk-pk max.
- Air supply: 6 bar, 150 l/m; 90 psi, 5 CFM
- Dimensional specifications:
 - o CAL25HF Diameter: 74 mm
 - o Exciter: 190 mm dia. X 170 mm H
 - o Weight: 16 kg



High-Frequency Air Bearing Calibration Vibration Exciter
Model CAL25HF

CAL25HF Be Armature With Removable Be TIMF



Applications:

- Calibrates accelerometers and vibration sensors weighing <910 grams and with <70 mm diameters
- Available from MB Dynamics as a stand-alone product, or as part of a full automated calibration test system
- Sensor manufacturing quality assurance testing
- In-laboratory R&D instrumentation verifications

Other MB Calibration Vibration Exciters:

- CAL12AB, operating to 15 kHz with lower rated force output
- CAL25AB, operating to 15 kHz
- CAL50, 1" stroke, operating to 10 kHz
- CAL110, 1.5" stroke, 110 lbf, operating to 10 kHz

MB Dynamics, Inc.

25865 Richmond Road, Cleveland, OH 44146 USA

Tel: +1 216 292 5850 · Fax: +1 216 292 5614

For Sales: sales@mbdynamics.com · For Service: service@mbdynamics.com

www.mbdynamics.com

MB-CAL25HF-0119