

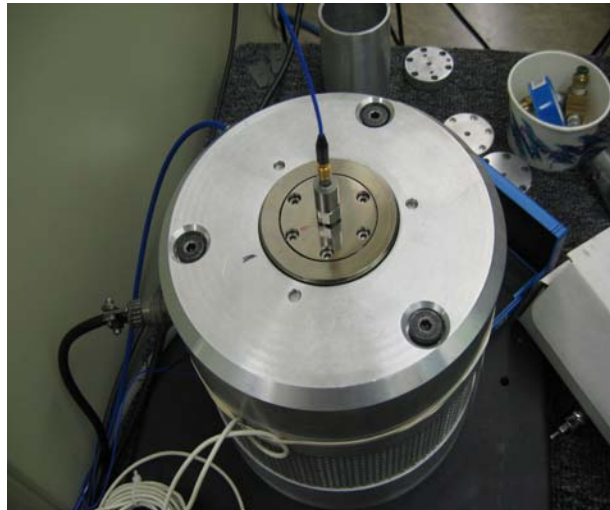


Model CAL25HF

Air Bearing Calibration Exciter

CAL25HF AIR BEARING EXCITER SPECIFICATIONS

- ❖ Calibration Bandwidth: 1Hz to 40kHz
- ❖ Max Acceleration: See chart below
- ❖ Max Stroke, between stops: 13mm p-p
- ❖ Stroke for Calibration: 10mm p-p
- ❖ Max DUT weight: ≤ 910 gm
- ❖ DUT Transducer Mounting: 10-32 thread
- ❖ Automatic Payload Re-centering (pneumatic)
- ❖ Complies, ISO 16063-21, Clauses 4.3 & 4.4
- ❖ Transverse Motion: Meets ISO 16063-21
- ❖ REF Accelerometer: IEPE, 100mV/g or 20mV/g
- ❖ REF Accel. Bandwidth: 1.0Hz – 30kHz
- ❖ 20mV/g REF has resonance at 70kHz
- ❖ Resonant Search Max Frequency: >55 kHz
- ❖ User-replaceable REF, not built-in to armature
- ❖ Air bearing minimizes transverse motion
- ❖ Air Supply: 6 bar, 150 l/m; 90 psi, 5 CFM
- ❖ Moving Element Material: Beryllium
- ❖ Moving Element Axial Resonance: 50kHz $\pm 5\%$
- ❖ Moving Element Diameter: 74mm
- ❖ Exciter: 190mm dia. X 170mm H; 16kg
- ❖ Capable of calibrating velocity transducers weighing up to 910 grams & 70mm in dia.



CAL25HF Performance, Different Payloads, 30 Nov 2010

