THE MODAL SHOP
AN AMPHENOL COMPANY

MODELS
MINIATURE, MODAL,
DUAL PURPOSE SHAKERS

ELECTRODYNAMIC EXCITER FAMILY

- Simplified Test Set Up with Through-Hole Armature
- Lightweight and Portable for Ease-of-Use
- Complete Kits Offer Shaker, Amplifier, and Accessories
- Mini, Modal, inertial and Vibration Options
- SmartShaker™ with Integrated Amplifier for Smaller Tests

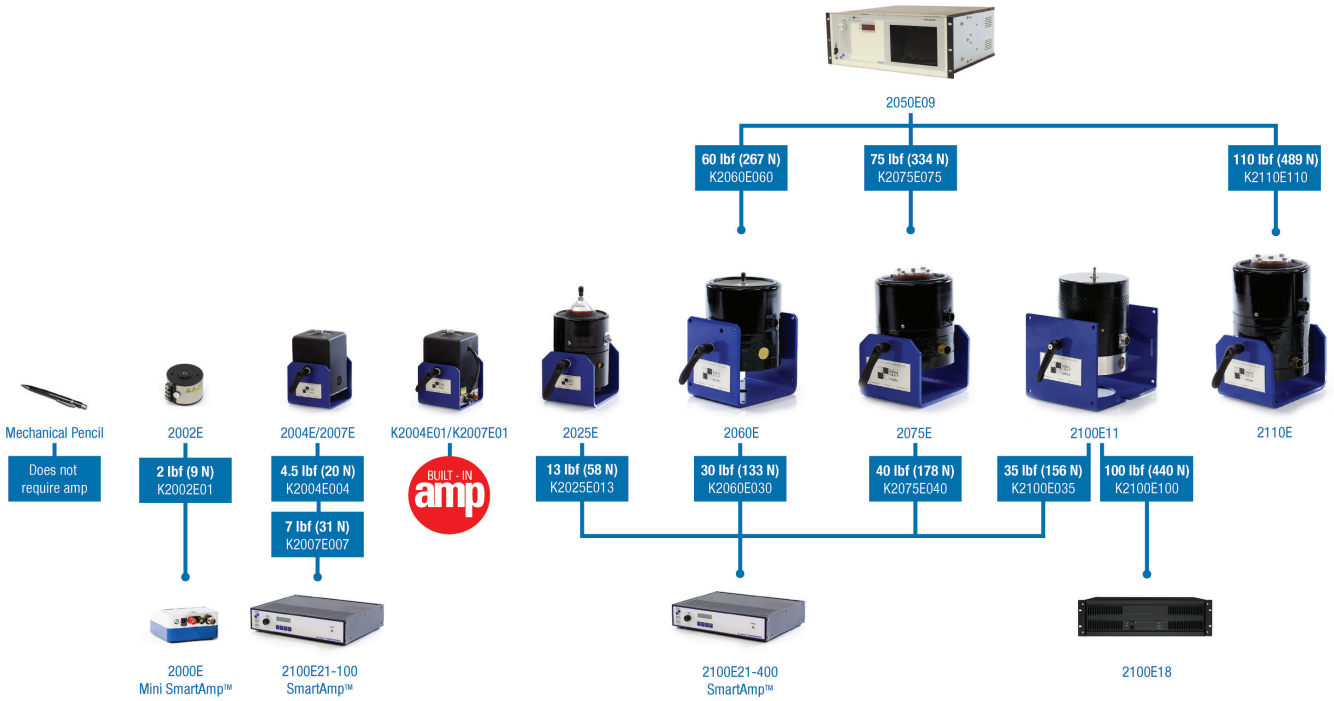
TYPICAL APPLICATIONS

- Experimental Modal Analysis
- General Vibration Testing
- Environmental Testing
- Educational Laboratory Research
- Mechanical Impedance Measurements

SIMPLIFYING WITH SMART SENSING SOLUTIONS

The electrodynamic exciter family includes small permanent magnet shakers rated from 110 lbf (489 N) down to 2 lbf (9 N). Available designs include the revolutionary SmartShaker™ with integrated power amplifier, a variety of mini, through-hole modal, dual purpose platform and accelerometer calibration shakers, and the SmartAmp™ power amplifiers. These transducers are ideal for applications ranging from experimental modal analysis and general vibration testing of small components and sub-assemblies to accelerometer calibration.

The following selection guide on the reverse provides an overview of the basic shaker specifications. A simple graphical representation of shaker systems paired with appropriate power amplifiers indicates the corresponding system force ratings. Kit model numbers simplify the selection and ordering process, insuring that all the necessary shaker, amplifier, stingers, cooling blowers (if needed), and accessories are included.



SPECIFICATIONS

Applications	Shaker Model	Amplifier Model	Force Rating lbf (N) pk Shaker/Amp Pair	Stroke in (mm) pk-pk	Weight [1] lb (kg)	Max Frequency [2] (Hz)
Inertial Shaker General Vibe Structural Excitation	2002E	2000E 2100E21-100	2 (9)	N/A	0.56 (0.25)	3 000
Modal Analysis General Vibe Small Structures	2004E K2004E01	2100E21-100 Integrated	4.5 (20)	0.2 (5)	6 (3) 7 (3)	11 000
Modal Analysis General Vibe Small Structures	2007E K2007E01	2100E21-100 Integrated	7 (31)	0.5 (13)	6 (3) 7 (3)	9 000
Modal Analysis Small to Medium Structures	2025E	2100E21-400	13 (58)	0.75 (19)	13 (6)	9 000
Modal Analysis Medium to Large Structures	2060E	2100E21-400 2050E09	30 (133) 60 (267)	1.4 (36)	37 (17)	6 000
Modal Analysis Medium to Large Structures	2100E11	2100E21-400 2100E18	35 (156) 100 (440)	1.0 (25)	33 (15)	5 400
Dual Purpose Design Modal and General Vibe	2075E	2100E21-400 2050E09	40 (178) 75 (334)	1.0 (25)	35 (16)	6 500
Dual Purpose Design Modal and General Vibe	2110E	2050E09-FS	110 (489)	1.0 (25)	54 (25)	6 500
Accelerometer Calibration Low to High Frequency Payloads < 500g	K394B31	2100E21-C	15 (67)	0.4 (10)	22 (10)	50 000

[1] Includes trunnion base (except for Model K394B31 and 2002E) * Cooling system not pictured and amplifiers not in scale
[2] Load dependent

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