ELECTRODYNAMIC SHAKER SERIES

T-Xcite MS Electrodynamic Shaker & Amplifier

T-Xcite MS series Shakers are designed for demanding modal testing applications; MS series permanent magnet modal shakers provide precise, reliable, stable, and long-lasting operation. Highest quality materials, stringent quality control and rugged construction assure a versatile means of modal excitation for any experimental modal test using the attached excitation method. Based upon years of practical modal test experiences, the line of Modal shakers, all exhibiting high force-to-weight ratio, has been specifically developed to help ensure the best possible modal test performance with minimum setup time.

Uses:

General mechanical mobility measurements; Experimental modal analysis on most mechanical structures; SISO, MISO, SIMO and MIMO modal test applications; Advanced structural dynamics investigations ; Structural damage detection; Finite element model correlation

Model	MS 20	MS 50	MS 100	MS 200	MS 500	MS 1000	MS 1500
Rated Force Peak (N)	20	50	100	200	500	1000	1500
Max Displacement Pk-Pk (mm)	±5	±7.5	±10	±10	±12.5	±15	±15
Max Input Current (Arms)	2.0	6.0	12.0	20	25	38	45
Frequency Range (Hz)	DC -6k	DC -5k	DC -4k	DC -4k	DC -3k	DC -1.5k	DC -1k
Coil DC Impedance	6. 00	0.7	0.7	0.7	0.7	0.7	0.7
Eflective Moving Mass (Kg)	0.1	0.30	0.5	0.67	0.95	2.0	2.5
Size(mm)	ϕ78 x 115	Φ148 x 200	Φ 158 x 200	Φ 158 x 200	Φ 210 x 250	Φ 240 x 300	Φ 280 x 320
Mounting Hole Size(mm)	80 x 80 4 x Φ7	158 x 128 4 x Φ8	200 x 160 4- Φ10	200 x 160 4- Φ10	240 x 190 4- Φ11	240 x 200 4- Φ11	260 x 240 4- Φ11
Weight (Kg)	3.3	14	18	18	29	40	50
Output	Rod/M5	Rod/M5	Rod/M5	Rod/M5	Rod/M5	Rod/M5	Rod/M8
Associated Amplifier Power (W)	100	100	100	500	500	1500	3000

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