

NEW DSX ARMATURE SIZE PROVIDES HIGH ACCELERATION TESTING

Holland, Michigan — Thermotron has been shaking up the shock and vibration industries with their new line of electrodynamic vibration test systems, the DSX Series. These high performance shakers feature superior acceleration, velocity, force, and shock performance. With most models able to achieve acceleration over 100 g, the DSX Series has been serving as a durable and versatile test system for a wide range of applications, including automotive shock and vibration testing, military transportation testing, avionics/aerospace vibration test requirements, and stress screening applications.



Thermotron is proud to now offer expanded armature sizes for the DSX-4000, DSX-6650 and DSX-8000 electrodynamic shakers. Previously available with a 16-inch (40.6 cm) diameter armature, these shakers are now also available in a 12-inch (30.5 cm) armature size. This new smaller, lightweight armature size allows these shakers to perform high acceleration testing.

The DSX-4000, rated at 4,000 force pounds (17.8 kN) sine and random, is capable of achieving 80 ips (2.03 mps) maximum 70 ips (1.78 mps) continuous velocity and 75g acceleration. Rated at 6,650 force pounds (29.6 kN) for sine and random, the DSX-6650 provides acceleration levels up to 120 g. The DSX-6650 is able to produce 115 ips (2.92 mps) maximum and 90 (2.28 mps) continuous velocity. The DSX-8000 reaches acceleration levels up to 150 g and 145 ips (3.68 mps) maximum velocity. Rated at 8,000 lbf (35.6 kN) sine and random, the DSX-8000 also features best in class shock performance for low frequency, high-displacement tests.

Thermotron shakers are controlled by our exclusive VCS-3200 vibration control system. Updated for Windows XP®, VCS-3200 software is available for accurate sine, random, shock, resonant search and dwell, real data acquisition and playback (RDAP), random-on-random and sine-on-random capabilities. From running random and sine to shock, sine-on-random and random-on-random tests. Thermotron has the most versatile performers in the vibration equipment industry.

About Thermotron

For over 30 years, Thermotron has been developing and refining vibration test systems that set industry standards. We manufacture the power amplifier, vibration controller, and slitable & fixtures for a turnkey vibration test system and offer the most versatile performers in the vibration equipment industry. Our work is defined by high quality, high reliability products and a direct, dedicated service and support network.



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