

Squeak & Rattle Experts Agree:

"Quiet Shakers are a MUST for Effective Squeak & Rattle Tests." Hear and See the Difference Below!



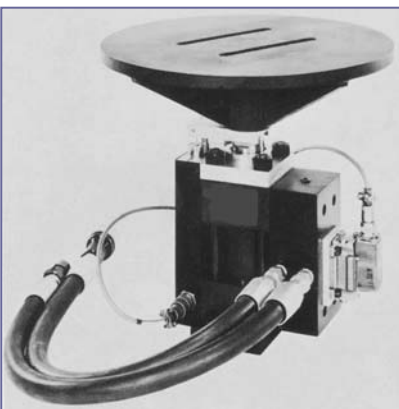
MB S&R Energizer Black

TEST CONDITIONS in QUIET ROOM ¹	N(10) Loudness, SONES	Sound Pressure, dB(A)
<u>Shaker @ Rest, Ready</u> <ul style="list-style-type: none"> Bare table Amp ON and ready to shake Microphone 10" above mounting table 	Test Lab A: 1.0	Test Lab A: 29
<u>Random Vibration</u> <ul style="list-style-type: none"> Typical S&R Profile 0.36 gRMS 8-100 Hz Microphone 10" above mounting table 	Test Lab A: 1.1	Test Lab A: 30
Shaker Features: permanent magnet; no cooling needed; quiet flexures		



Typical electrodynamic shaker²

TEST CONDITIONS in QUIET ROOM ¹	N(10) Loudness, SONES	Sound Pressure, dB(A)
<u>Shaker @ Rest, Ready</u> <ul style="list-style-type: none"> Bare table Amp ON and ready to shake Microphone 10" above mounting table 	Test Lab B: 5.9	Test Lab B: 49
<u>Random Vibration</u> <ul style="list-style-type: none"> Typical S&R Profile 0.36 gRMS 8-100 Hz Microphone 10" above mounting table 	Test Lab B: 8.1	Test Lab B: 51
Shaker Features: ≈ 1000 lbf (4.5 kN); field coils; blower OFF; S&R-rated		



Typical hydraulic shaker²

TEST CONDITIONS in QUIET ROOM ¹	N(10) Loudness, SONES	Sound Pressure, dB(A)
<u>Shaker @ Rest, Ready</u> <ul style="list-style-type: none"> Bare table Power supply ON (in separate room) and ready to shake Microphone 10" above mounting table 	Test Lab C: 1.0	Test Lab C: 33
<u>Random Vibration</u> <ul style="list-style-type: none"> Typical S&R Profile 0.36 gRMS 8-100 Hz Microphone 10" above mounting table 	Test Lab C: 17	Test Lab C: 64
Shaker Features: ≈ 1000 lbf (4.5 kN); 3000 psi pressure		

¹ All Quiet Rooms are state-of-the-art. Ambient noise levels fluctuate from ≤ 1.0 - 1.5 sones and ≤ 29 - 33 dBA

² Shaker make & model in photo was not source of actual data