

ROEHRIG ENGINEERING, INC.

EMA-4K LOW-NOISE TESTERS

SUPERIOR PERFORMANCE

EMA Series Testers are the solution for Low Noise Testing in Anechoic Chambers. Reductions in noise are achieved without sacrificing performance allowing the actuator to be installed within the testing chamber.

ENVIRONMENT

EMA Series Testers eliminate the need for Hydraulic fluid, high pressure hoses, and infrastructure. No Leaks, No Mess

MAINTENANCE

Low Maintenance Cost with EMA Systems due to a low friction design and ONE moving part. No oil, filters, or seals to replace.

GLOBAL SUPPORT

Roehrig Engineering's reputation for customer support is unmatched in the industry. Worldwide representation ensures your investment is protected, giving you peace of mind.

PROVEN TECHNOLOGY

Roehrig Engineering has been using ElectroMagnetic technology in Laboratory and Mobile Damper Testers for over 10 Years.

INTRODUCTION

Roehrig Engineering's EMA Series Testers take on a new range of applications with *Low-Noise Testing*. A fully enclosed EMA-4K Actuator is surrounded with sound deadening material; this in combination with a high stiffness frame can reduce actuator sound levels below 40dB.

SPECIFICATIONS

- Load Frame rated to 400Hz
- Low Friction Actuator Bearings
- 38*-42dB @ 0.3m/sec, +/-25mm Amp, Unloaded with 33dB Ambient.
- EMA-4K Performance
 - o 17.8kN Peak Force (4,000lbs)
 - o Velocities up to 4m/sec*

*Peak Velocity using 1-micron Digital Encoder; higher resolution encoder will decrease peak velocity

BENEFITS

- Low Actuator Noise
- Increased Load Frame Stiffness
- Actuator Travel: 200mm
- Energy Efficient Solution
- Reduction in Maintenance Expenses
- Compact with minimal infrastructure



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