

ACTUATOR

LINEAR



▲ PRODUCT SPECIFICATIONS:

Motor operated: AC, brushed DC, or brushless DC
 Ball screw or Acme screw
 Strokes up to 58" (145cm)
 Rated loads up to 10,000 lbs
 Speed up to 5 in/sec (12.5 cm/sec)
 Single or dual ram
 Position feedback option and redundant feedback indication



▲ PRODUCT DESCRIPTION:

Electromech Technologies custom designs and engineers electromechanical actuators for the Aerospace Industry. Electromech Technologies has flight proven designs in flight control applications of Rudder, Elevator and Aileron Trim Actuation, Flap Actuation, Landing Gear Actuation, Flight Surface Disconnect Actuation, Specialty Actuation for Ice Vanes, Filter Doors and FOD Doors and Locking Actuation for Cargo Handling Systems.



▲ ENVIRONMENTS:

Altitude: -200ft. to 55,000ft.
 Temperature: -85°F to 450°F
 Temperature Variation: 50°F per minute
 Vibration Operational: DO-160 E & E1 Random
 Vibration Anti Back Drive: DO-160 E & E1 Random
 Vibration Robustness: 1.5 hrs. @ DO-160 E & 9.0 hrs @ DO-160 E1 Random

Vibration Windmilling: 4.5 hrs @ 20g p-p; 32-52 Hz Sinusoidal
 Waterproof: DO-160 CAT S (Spray)
 Explosive Atmosphere: DO-160 CAT E (Non Ignition Source)
 Icing: DO-160 CAT C (1/8" thick ice)
 Fluids: JetA, JetA1, Proplene Glycol, Ethylen Glycol, ...
 Fire/Flamibility: 14CFR 25.1713(C) (Self Extinguishing)