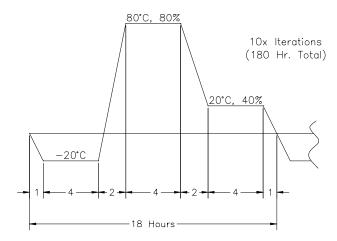


SHOCK, VIBRATION AND ENVIRONMENTAL TEST RESULTS

December 2, 2002 -- Exlar's integrated motor linear actuators have been tested by an independent testing facility for temperature, humidity, shock and vibration with the following results.

Temperature and Humidity Exposure

Actuators were subjected to 180 hours of temperature/humidity exposure as shown in the profile below.



After removal from the test chamber, the sample displayed no physical or functional damage.

Vibration Endurance

The test samples were mounted to a holding fixture secured to a vibration shaker table. Control and response accelerometers were placed near points of attachment. Vibration frequency was swept from 20 Hz to 2500 Hz at a sweep rate of one (1) octave/minute. The input level of 24.5 m/s2 (2.5 G's) was applied to the sample throughout the frequency range. The frequency range was cycled for 100 sweeps, approximately 11.5 hours.

Results showed no physical or mechanical degradation.

Mechanical Shock

The test samples were mounted to an aluminum holding fixture, capable of transmitting a shock input. A control/measurement accelerometer was placed near the point of sample attachment. The shock pulse was a half sine waveform, 11 milliseconds in duration with a 490 m/s2 (50 G's) input. Three shocks were applied in each direction (positive and negative) or three (3) mutually perpendicular axes, for a total of 18 shocks.

Post-test evaluation including operational tests showed no physical or mechanical degradation.