

AUTOMATED ACTUATOR TESTING SYSTEM

SYSTEM SPECIFICATIONS

The following are our testing System Specifications:

- 1) Main Power Voltage :
0 ~ 540 VAC, 3Ph, 50Hz, 0 ~ 270 VAC, 1Ph, 50/60Hz, 24VDC
- 2) Control Power Voltage :
0 ~ 110/220 VAC, 1Ph, 50Hz
- 3) Signal Configuration for Modulating Duty:
4 ~ 20 mA, 0 ~ 10 VDC, 2 ~ 10 VDC, 1 ~ 5 VDC, 0 ~ 5 VDC
- 4) Stroke Angle :
0 ~ 90° (Extendable up to 360°)
- 5) Torque :
1,000 Nm (Extendable up to 22,000 Nm)
- 6) Braking :
1200 Nm Capacity (Extendable up to 25,000 Nm)

ELECTRIC ACTUATOR

Type of tests:

- Proof of design test



- Performance test
- Limit Switch test
- Torque Switch test
- Endurance test
- Routine test

The following Parameters can be measured and tested by conducting the above tests:

1. Motor torque
 2. Seating torque (unit-housing rated torque)
 3. Running torque (30% of rated torque)
 4. Power, voltage, phase and hertz
 5. Rated full load current (amps)
 6. Rated locked rotor current (amps)
 7. Running torque amps (measured)
 8. Seating torque amps (measured)
 9. Limit switch percent of accuracy
 10. Torque switch percent accuracy
- etc...

PNEUMATIC ACTUATOR

Type of tests:

- Proof of design test
- Performance test
- Leakage test
- Operation test
- Cyclic test
- Torque output test



The following Parameters can be measured and tested by conducting the above test:

1. Actuator unit size and model
 2. Cylinder bore and stroke tested
 3. No of cycles
 4. Pressure
 5. Running torque
 6. Results of cylinder pressure test
 7. Results of hydraulic test
 8. Drive medium
 9. Bore size
- etc...