

Electric Actuator Test Stand Torque-Only

Description

The Kalsi Engineering Torque-Only Electric Actuator Test Stand accurately quantifies actuator torque output *off-line*, eliminating uncertainty in actuator capability. The test stand quantifies the following:

- Torque switch setting
- Torque switch repeatability
- True capability under degraded voltage
- Stall capability
- Actuator speed

Benefits

- Provides fast testing and quick-change adaptation for large actuator production runs.
- Provides actual tested capability in addition to published and calculated values.
- Guarantees fitness for service by detecting actuator degradation or mis-assembly
- Enhances productivity by minimizing testing at the valve
- Prevents inadvertent torque application to the valve
- Test stand is light weight for mobility and ease of transport

Test Stand Capabilities

Torque Capacity

- Up to 820 ft-lb torque, bi-directionally

Torque Resistance

- Industrial Pneumatic Disc Brakes
- Variable Ramp Time & Target Torque

Data Input, Output, & Control

- Laptop computer with customizable Labview software for test control and data acquisition
- High precision torque cells for accurate measurement
- National Instruments interface hardware
- Daytronic meters display actuator torque and speed

Options

- Power cabinet with client-defined discrete motor voltages ranging from 100 to 600 V AC/DC



Adapters

- Limitorque MX-05, 10, 20 & 40
- Limitorque QX-1, 2, 3, 4, 5
- Limitorque H1BC
- Other actuators can also be adapted

***Proven to be the ideal test stand
for production testing of electric actuators***

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