

HYDRAULIC

Electro Hydraulic Servo Valve Test Bench

Electro Hydraulic Servo Valve Tester is designed to provide automated, semi-automated and manual testing of a wide range of aerospace and industrial electro hydraulic servo and proportional valves and associated components.



Features

Standard Specifications	SAE-ARP 490
Electrical Supply	AC, 3 Ph, 380 V, 50 Hz, 50 A
Hydraulic Power	15 kW, 3200 psi, 8 gpm
Cooling System	Cold water @ 25 gpm, 20 °C
Operating Fluid	MIL-PRF-5606
Filtration	5 μ on All three lines

Instrumentation

Pressure	10 × 0 ~ 3500 psi + 2 × 0 ~ 3500 (Acc. ±0.1 % FS)
Flow	0 ~ 5 gpm + 0 ~ 1 gpm (Acc. ±0.5 % FS)
Command	±150 mA (Acc. ±0.1 % FS) Steady, Sinus, Ramp, Step, Chirp, Pulse, Random
Feedback Displacement	10 mm (Acc. ±1 % FS)
Temperature	0 ~ 120 °C (Acc. ±1 % FS)
Data Acquisition	BECKHOFF, 32 AI channels, 10 MS/s
Dimensions	3.6 m Width × 1.9 m Depth × 2.1 m Height

Static Performance Tests	Dynamic Performance Tests
Flow Characteristics	Frequency Response
Pressure Characteristics	Amplitude Ratio
Null Characteristics	Phase Lag
Internal Leakage	
Threshold Characteristics	
Hysteresis	