

HYDRAULIC & PNEUMATIC

Pressure Switch Test Bench

Testing of Various hydraulic & pneumatic pressure switches is performed using pressure switch test bench. Endurance test of these switches are done by this test bench, too. A data acquisition system monitors and reports test data automatically. Three hydraulic and one pneumatic lines in various pressure ratings provide wide range of testing condition.



Features

Operating Fluid	MIL-PRF-5606
Electrical Supply	AC, 3 Ph, 380 V, 50 Hz, 16 A
Hydraulic Power	3 kW, 4500 psi
Hydraulic Pressure Ranges	4500, 1500 & 500 psi
Pneumatic Pressure Range	100 psi
Working Fluid Temperature Range	0 to 80 °C
Pressure Transducer Accuracy	±0.1 % FS
Working Fluid Temperature Accuracy	±1 % FS
Filtration	10 μ
Cooling System Requirement	Cold water @ 5 gpm, 20 °C
Data Acquisition	Siemens PLC
Dimensions	1.6 m Width × 1.2 m Depth × 2.2 m Height

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Variable Delivery Pump Tester

Variable Delivery Pump Tester is designed to examine the performance of versatile variable delivery pumps. Special compact design of hydraulic system leads to very high hydraulic impedance of the tester and implementing high response servo valves improved the response time of the hydraulic circuit. Sophisticated valve components design and accurate sensors in addition to the advanced high frequency data acquisition system and very user friendly software, simplified the tester control and reporting process.



Features

Tester Standard Specifications According to	MIL-P-19692E
Hydraulic Fluid	Mineral Oil (MIL-H-5606)
Maximum Pressure	310 bar
Maximum Flow Rate	38 lpm

Static Performance Tests

- Calibration
- Heat Rejection

Dynamic Performance Tests

- Response Time
- Pressure Pulsation
- Maximum Transient Pressure

Data Acquisition System