



The test bench is designed to provide general testing for small and medium flow pneumatic accessories, which can test switch valve, regulating valve, flow control valve, air check valve, starting valve, electromagnetic valve, servo valve and temperature valve, which can meet the maintenance and testing requirements of the vast majority of aircraft low flow pneumatic accessories. This test bench provides manual and automatic test functions, users can according to different test objects for secondary development, redefine the test process.

System parameters:

- Provide 3 pressure supply circuit: one high pressure, five low pressure, one vacuum circuit;
- Provide 11 channels of pressure measurement: 0 ~ 300 psi; 0 ~ 160 psi; 0 ~ 600 psi. 0-145 psi, measuring accuracy $\pm 0.25\%$ F.S.;
- Provide 7 channels of differential pressure measurement: 0 ~ 30 psi; 0 ~ 50 psi; 0 ~ 60 inH₂O; 0 ~ 15 inH₂O; 0-100 inH₂O, the measurement accuracy is $\pm 0.25\%$ F.S.;
- Provide 6 groups of flow measurement, measurement range: 0.003 ~ 14 PPM, measurement accuracy: $\pm 1\%$ F.S.;

- Provide 6 sets of temperature sensors: measuring range: $0 \sim 150^{\circ}\text{F}$, measuring accuracy: $\pm 1^{\circ}\text{F}$;
- Provide 1 set of micro volume flow meters: $0 \sim 10\text{ml}/\text{min}$, used for leak detection;
- Provide computer data acquisition system, and the software has related functions such as collecting data, processing data and saving test results.