

AUTOMOTIVE TESTING EQUIPMENT

Low Air Flow Test Bench

Offering a wide range of portable, customized low air flow test benches, we will provide you with the capability to determine fan performance, air leakage, and air delivery measurements. Tescor's low air flow test benches can be designed with manual controls or fully automatic data acquisition and control systems.

Key Benefits:

- Stability of 1% or better
- 1% repeatability of test results
- Air flow range from 4 to 350 CFM

Applications and Test Types:

- Automotive HVAC system air outlet testing
- Stand-alone fan and blower air flow testing
- Air leakage rate testing
- Any low flow, high precision air flow measurement system

Specifications:

- Analog inclined manometers for nozzle and test unit differential pressure readings
- Pressure transducers to measure uut differential pressure, barometric pressure and nozzle differential pressure
- Fan speed, voltage and current transducers
- Motorized bypass dampers for low flow operation
- Can be user configured to be a draw through or push through system
- Variable speed system blower
- Create tests and sequences for automatic operation
- User configurable data acquisition channels
- User configurable calculation channels
- Loop calibration utility
- Dedicated hardware checkout routine
- Color coded stability status indicators
- Stability tolerance adjustment on the fly
- Time-history graphing capability
- Automatic test report generation
- Data file management and search tools
- Air flow tunnel formed from clear lexan® and aluminum tubing
- AMCA air flow nozzles interchangeable: 0.5", 0.687", 1", 1 1/2", 2", 2 1/2"
- Automatic centering of nozzles
- Toolless nozzle switchover with speed clamps
- Leak free nozzle plate installation with o-rings seals
- Manual bypass damper for low flow operation
- Fixed speed pressure blower 120V, 5 A plug-in utility cord
- Heavy duty utility cart with casters and storage space for all nozzles
- Foam molded carrying case system

