

Air Leak Detection Test Unit



- Multiple test capability
- Simple operation
- Real time display
- Cost effective
- Sequence error messaging
- Pressure ranges from 0.3 Bar
- Desk style case
- Customer tailored units available
- Programmable test parameters

Description:

The Incotech Air Leak Detection Test Units operate by monitoring the pressure-decay of an object charged with compressed air over a given time period. The leak test units are mounted in an easily portable desk style case. The front panel features a microprocessor control unit with LED display, program selection switch, manual test start push button and precision air regulator and gauge. The rear panel features mains power and compressed air connections and a programming key operated switch.

Test Sequence:

1. Open air valve to fill component
2. Obtain test pressure within fill time
3. Close air valve
4. Wait settle time
5. Measure pressure
6. Wait test time
7. Measure pressure
8. Calculate pressure drop
9. Indicate Test Pass or Fail



Rear view of Air Leak Test Unit

Standard Unit Specification:

Test Pressure	5 to 14.5 PSI (0.35 to 1.0 bar)
Sequence Timers	1 to 300 seconds
Pressure Drop	0.01 to 9.99 PSI
Number of Test Programs	2
Fill Pressure Accuracy	<0.1% FSD (dependant on fill time)
Pressure Decay Accuracy	<0.1% FSD
Supply Voltage	230VAC
Air Supply	Clean and dry
Air Connections	1/4BSP(F)
Overall Dimensions	365mm x 316mm x 178mm

Options:

- Extended test pressure ranges
- Dual pressure testing
- Additional test programs
- 110VAC supply voltage
- I/O interface for PLC integration