



# Digital Air Data & Leak Tester

*Specifications on back*

## Model 6150 Digital Air Data Leak Tester

The 6150 Tester connects directly to an aircraft's Pitot and Static system. It allows the user to simulate altitude, airspeed and VSI and also to perform leak checks on both the Pitot and Static systems of an aircraft. The high accuracy of the digital transducers used in the tester makes it suitable for performing leak checks on RVSM-capable aircraft. The tester has built-in, high-capacity vacuum and pressure pumps that make it capable of handling leak-checks on any type of aircraft, including wide-body transport and cargo aircraft. Leak values are clearly displayed in 1, 3 and 5 minute intervals. Several protection features are included in the tester to reduce the possibility of damage to the aircraft instruments. The solid-state transducers are immune to damage due to pressure surges. The tester requires no maintenance and needs to be calibrated only once a year.

Specifications	Features
<p><b>Static Port</b>  <i>Accuracy :</i> 0.008 inHg                              8 ft. @ 0 ft.                              24 ft. @ 35,000 ft.                              48 ft. @ 50,000 ft.  <i>Range :</i> -2000 to 60,000 ft.  <i>Resolution :</i> 1 foot  <i>Climb :</i> 0 to 10,000 ft/min  <i>Leak Resolution :</i> 1 ft/min</p> <p><b>Pitot Port</b>  <i>Accuracy :</i> 0.008 inHg                              2.0 knots @ 50 knots                              1.0 knots @ 100 knots                              0.5 knots @ 200 knots                              0.2 knots @ 500 knots  <i>Range :</i> 0 to 500 knots  <i>Resolution :</i> 0.1 knot  <i>Leak Resolution :</i> 0.1 knot/min</p> <p><b>Calibration Interval:</b> 1 year</p> <p><b>Power requirement</b>            90-260 VAC, 47-440 Hz, 50VA</p> <p><b>Dimensions &amp; weight</b>            18" x 12" x 7" / 18 lbs</p> <p><b>Environmental specs:</b>            Operating temp. 0° to 50°C            Storage temp. -40° to 75°C            Humidity: 5 to 95% non-condensing</p>	<ul style="list-style-type: none"> <li>• Static output can be displayed in Feet, Meters, inHg or mbar.</li> <li>• Pitot output can be displayed in knots, kmph, inHg or mbar.</li> <li>• Protection against over-range of altitude (high and low)</li> <li>• Protection against over-range of airspeed (high and low)</li> <li>• Protection against negative airspeed (even during power-loss)</li> <li>• Protection against excessive leak rates</li> <li>• Solid state transducers are not damaged by pressure surges</li> <li>• Precision Metering valves allow very fine control of altitude, VSI and airspeed</li> <li>• Pressure and Vacuum pumps are integral to the unit so no manual pumping is required</li> <li>• High capacity vacuum and pressure pumps are capable of overcoming large leaks on any aircraft.</li> <li>• Leak checks on Pitot and Static systems are done simultaneously</li> <li>• During Leak Check, actual altitude, VSI and airspeed are constantly displayed</li> <li>• Actual values and Accumulated leaks of altitude and airspeed are displayed for 1, 3 and 5 minute periods</li> <li>• Cross-bleed and Vent valves allows easy venting to "Ground"</li> <li>• Unit can be operated on aircraft power (110 VAC/400 Hz)</li> <li>• No warm-up time</li> <li>• No Maintenance required other than yearly calibration</li> <li>• Extremely simple two-point calibration done in inHg</li> </ul> <p style="text-align: right;"><i>Specifications subject to change without notice</i></p>

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