

## Pitot Static Leak Tester

### DPI610

The Barfield DPI610 Aero is an inexpensive, portable, self-contained single channel leak tester for aircraft pitot and static systems. The unit is configured as a single channel unit for testing either altitude or airspeed parameters. Scaling is provided in aeronautical units for both altitude and airspeed and functions such as leak test and switch tests are addressed directly.

A single pressure/vacuum selectable hand pump is provided for supplying the necessary pressure (no electric or external pressure sources required) needed for on-board leak testing. The test sets pneumatics are so arranged that the units maximum rate of climb is  $\pm 3000$  ft./min. when used with a recommended hose of 15 ft length x 0.25 in inside diameter hose at altitudes below 15k ft.



### DPI610 Specifications

Accuracy  $\pm 0.025\%$  full scale

- $\pm 14$  ft @ sea level
- $\pm 18$  ft @ 10K ft
- $\pm 25$  ft @ 20K ft
- $\pm 36$  ft @ 30K ft
- $\pm 3$  kts @ 50 kts\*
- $\pm 1.5$  kts @ 100 kts
- $\pm 0.7$  kts @ 200 kts
- $\pm 0.3$  kts @ 400 kts

\* Improved after a zero correction carried out

#### Range

Altitude: -3k to + 50K ft

Airspeed: 0 to 600 kts

#### Aeronautical Units of Measure

Altitude: Feet, meters

Airspeed: knots, km/hr and mph

#### Leak Test Scales

Altitude: Feet/min, meters/min, m/sec, hm/min

Airspeed: Knots/min, km/hr/min, mph/min

### Features

- > Ideal for flightline leak checks and troubleshooting
- > Performs precision Pitot-Static leak tests
- > Fully portable, self-contained  
(No electric or external pressure sources required)
- > Rechargeable Battery Power
- > Pneumatic hand pumps and release volume adjuster for value setting (Press. Or Vac.)
- > Release valve and ground valve for lowering values to atmospheric. Rates limited to  $\pm 3k$  ft/min

### DPI610 Dimensions

	in.	cm.
Height	5.5	13.97
Width	6.7	17.02
Depth	11.8	29.97
	lbs.	kg
Weight	6.6	2.99

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