

DPS350 DIGITAL AIR DATA

[MEETS RVSM ACCURACY REQUIREMENTS]

GENERAL INFORMATION

The Barfield DPS350 Air Data Tester is a microprocessor-based unit using the latest in transducer technology. The DPS350 operates similar to Barfield's 1811 series testers but the transducer technology used is virtually immune to the costly repairs generally experienced by analog instruments. Software containing a programmable protection limit feature has been incorporated into the DPS350 to insulate the aircraft instruments from damage caused by negative airspeed and over pressurization conditions. Limit protection is provided by computer actuated solenoid valves that safeguard aircraft altitude, airspeed, rate of climb/decent and mach instruments.



The high accuracy and a stability exhibited by the transducers qualifies the DPS350 for use on aircraft being certified for *Reduced Vertical Separation Minimum* (RVSM) operation and increases the calibration interval from 30 days to once a year. The simple menu driven digital display calculates and displays Altitude, Vertical Speed, Airspeed, EPR and other measurements in various units of measure, including: Ft, M, Kts, Km/hr, Mach, Ft/min, M/min, EPR (Pt/Ps), inHg, mb, and psia. The tester also includes internal pumps that can produce a pressure and vacuum suitable for simulating 55K Ft, 650 Knots, and 6000 Ft/min conditions in wide body aircraft.



In addition to the industry's leading Pitot-Static/Air Data testers, BARFIELD also offers the entire NAV-AIDS product line of custom Pitot and Static adapters for most Military, Helicopter, General Aviation Aircraft, Corporate Jets, and Airliners.

FEATURES:

- Transducer Technology provides highest accuracy and best long-term stability available for line maintenance equipment
- Menu-driven operation interface providing protection of instruments under test with programmable limits on the following parameters: Altitude, Airspeed, Rate of Climb and Mach
- Leak testing mode displays leak rates in Ft/Min, Knots/Min and Metric equivalent units.
- Standard valve units (Includes Crossbleed)
- Fault isolation capability
- Aircraft limit protection

MEASUREMENT DATA:

RVSM ACCURACY

ALTITUDE UP TO 55K FT

AIRSPEED UP TO 650 KITS

VERTICAL SPEED TO 6000 FT/MIN

VERTICAL SPEED ABOVE 6000 FT/MIN

TRANSDUCERS

CONTROL FEATURES

MANUAL NEEDLE VALVE CONTROL

SIMI-AUTOMATIC MICROPROCESSOR CONTROL

LEAK MEASURE FACILITY

DPS350 ACCESSORIES

- 115-00339 Hose Kit (2 ea. - 25 Ft.) incl. Pitot Adapt. (Included with new testers)
- 115-00057 Pitot Tube Adapter Assy. (1/2" inner Dia.)
- 2423F Static Port Adapitpter Kit
- B-QC4-B-4ANK5 Static (Blue) Hose Quick Connector
- B-QC4-B-4ANK2 Pitot (Org.) Hose Quick Connector
- B-QC4-D1-400-K5 Static (Blue) Panel Quick Connector
- B-QC4-D1-400-K2 Pitot (Org.) Panel Quick Connector

DIMENSIONS

	In.	cm.	lbs.	kg
Height	9.76	24.8	Weight 35.0	15.9
Width	15.38	39.1		
Depth	14.87	37.8		