

## DPS1000 Digital Pitot Static Test Set

Thanks to over 65 years of expertise and highly qualified engineers and technicians, Barfield has developed a new product category called the Imperium series. Imperium, a Latin word which in a broad sense, translates as 'power to command' represents new Barfield products containing a pressure controller or automated testing features. The newest product being introduced is the fully automated DPS1000 which replaces the successful DPS350 as our low cost flight line air data test set.



The DPS1000 is Barfield's latest fully automated, user-friendly RVSM compliant air data test set. Replacing the DPS350, the DPS1000 performs altimeter and static systems tests and inspections. Critical components used in the DPS1000 have a well established history of proven flight line accuracy including pumps, valves and static/altitude transducers.



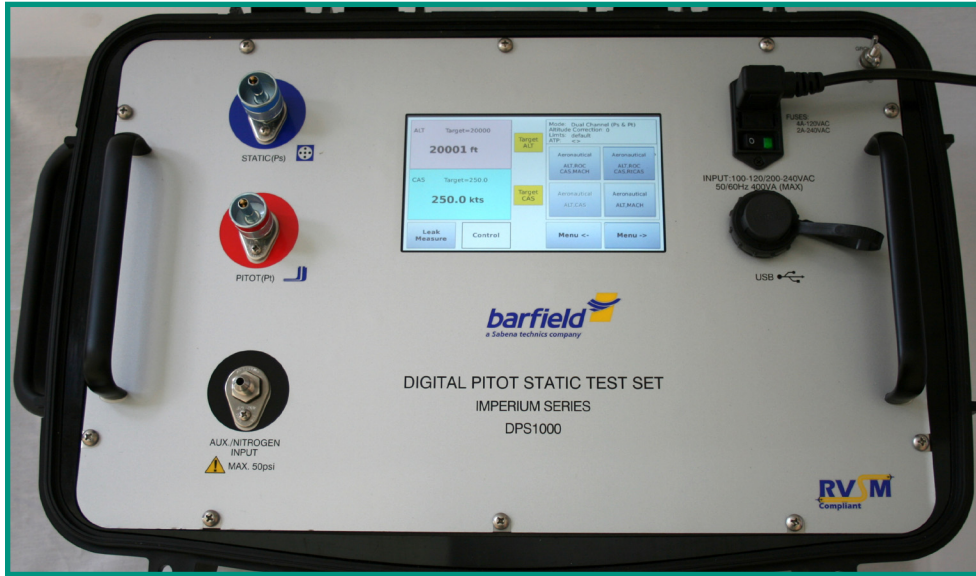
### DPS1000 features include:

- High accuracy - RVSM compliant
- Fully automatic control
- 7" Color Graphic Touch Screen
  - LCD sunlight readable
  - Usable with gloves in cold climate
  - Versatility to update user interfaces & features
- Go to ground function
- Auto leak test custom profiles
- Programmable limit protections
- Altitude correction
- Durable wheels & extendable handle on case
- Limited 2 Year Warranty

### Benefits of DPS1000:

- Proven accurate and stable transducer technology
- Cost effective
- User friendly interface
- Customer testing efficiency increased
- Product durability/reliability
- Flexible features and design updates

# DPS1000 - Digital Pitot Static Test Set



## Accuracy (Preliminary)

Accuracy	
MACH	Better than 0.005
EPR	Better than 0.005
ROC	± 2% of Value
Ps Sensor	± 0.0030 InHg
Qc Sensor	± 0.10 % Reading

Altitude (ft)	Accuracy
0	±3 ft
10k	±4 ft
20k	±6 ft
30k	±7 ft
40k	±12 ft
50k	±19 ft

Airspeed (kts)	Accuracy
25	±2.0 kts
50	±0.5 kts
100	±0.5 kts
200	±0.3 kts
500	±0.1 kts
650	±0.1 kts

## Specifications

### Stability (Calibration)

Drift per 12 Months  
0.01% of Range/Year (Max)

### Temperature Range

Calibrated: 0°C to +50°C  
Operational: 0°C to +50°C  
Storage: -25°C to +70°C

### Humidity

0-95% Non-Condensing

### Dimensions

	in.	cm.
Height:	14.8	37.6
Width:	22.2	56.4
Depth:	9.0	22.9

	lbs.	kg.
Weight:	33	15

### AC Power Requirements

85-264 VAC; 50-60 Hz  
Auto selection; 200VA

### Ps, Pneumatic Capacity (6000 ft/min)

125 cu. in. 2 Liters

### Pt, Pneumatic Capacity (300 ft/min)

75 cu. in. 1.3 Liters

## Key Facts

- Worldwide availability of products through distributors in different regions of the world
- ISO 9001:2000 and AS 9100-C Quality Standard
- Barfield manufactured products calibrated to National Institute of Standards and Technology standards
- Barfield's DFC40K fuel quantity test set was the first of the Imperium series released in 2010

## Barfield

[GSTE@barfieldinc.com](mailto:GSTE@barfieldinc.com)

+1 305 894 5400

Discover our online capabilities list and GSTE catalog at [www.barfieldinc.com](http://www.barfieldinc.com)