

Ground Support Test Equipment

DPS1000 - Digital Pitot Static Test Set

barfield
a Sabena technics company
TAT GROUP

Thanks to highly qualified engineers and technicians, with over 65 years of expertise, 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 entry level RVSM compliant flight line air data test set.

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 reliability & accuracy - including case, pumps, valves, and static/altitude transducers. Barfield introduces an innovative option to the DPS1000, wireless communication for display and control using the latest Wi-Fi technology.

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
- Altitude compensation for leak testing
- 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



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Accuracy (Preliminary)

Accuracy		Altitude (ft)	Accuracy	Airspeed (kts)	Accuracy
MACH	Better than 0.005	-1800	±3 ft	25	±2.0 kts
EPR	Better than 0.005	10k	±4ft	50	±0.5 kts
ROC	± 2% of Value	20k	±6ft	100	±0.5 kts
Ps Sensor	± 0.0030 InHg	30k	±7ft	200	±0.3 kts
Qc Sensor	± 0.10% Reading	40k	±12ft	500	±0.1 kts
		50k	±19ft		
		55k	±23ft		

Specifications

Stability (Calibration)	Dimensions	AC Power Requirements
Drift per 12 Months 0.01% of Range/Year (Max)	in. cm.	85-264 VAC; 50-60 Hz
Temperature Range	Height: 14.8 37.6	Auto selection; 200VA
Calibrated: 0°C to +50°C	Width: 22.2 56.4	Ps, Pneumatic Capacity (6000 ft/min)
Operational: 0°C to +50°C	Depth: 9.0 22.9	125 cu. in. 2 Liters
Storage: -25°C to +70°C	lbs. kg.	Pt, Pneumatic Capacity (300 ft/min)
Humidity	Weight 33 15	75 cu. in. 1.3 Liters
0-95% Non-Condensing		

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 NIST standards
- Barfield's DFQ40K fuel quantity test set was the first of the Imperium series released in 2010



For any questions and/or more specific information, please feel free to contact us:
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