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## Model 6500 Automated Air Data Test Set

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The 6500 Air Data Test Set requires only a pressure source and a vacuum pump and is extremely simple to use. It can be used to test and calibrate altimeters, airspeed / Mach indicators, Climb indicators, Flight data recorders, Air data computers, and EPR indicators. The high accuracy of this unit meets the latest RVSM requirements. Also, it needs to be calibrated only once a year. The use of "Profiles" makes it possible for the operator to run through a test using only a single key on the front panel keypad of this unit. The 6500 is easy to use, accurate and reliable.

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### Specifications

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#### Static Output

##### Pressure function

range: 0.1 to 42 inHg  
resolution: 0.001 inHg  
accuracy: 0.002 inHg

##### Altitude function

range: -4000 ft. to 100,000 ft.  
resolution: 1 foot  
accuracy: 2 ft. @ 0 ft.  
6 ft. @ 35,000 ft.  
12 ft. @ 50,000 ft.  
50 ft. @ 80,000 ft.

##### Climb function

range: 0 ft/min to 50,000 ft/min  
resolution: 1 ft/min  
accuracy: 1% of rate of climb

#### Pitot output

##### Pressure function

range: 0.1 to 110 inHg  
resolution: 0.001 inHg  
accuracy: 0.003 inHg

##### Airspeed function

range: 0 to 1100 knots  
resolution: 0.1 knots  
accuracy: 1.5 knots @ 20 knots  
0.5 knots @ 50 knots  
<0.25 knots above 100 knots  
<0.1 knots above 300 knots

##### Mach function

range: 0.0 to 5.0 Mach  
resolution: 0.001 Mach  
accuracy: 0.001 above 0.2 Mach

##### EPR function

range: 0 to 199  
resolution: 0.001  
accuracy: 0.002 typ.

#### "Jog" feature

Allows set-point to be increased or decreased in steps of 1 foot or 0.1 knots simply by using arrow keys.

#### "Profiles" feature

A profile of the standard set-points of an altimeter check or airspeed check can be downloaded from a computer. Such a profile allows the user to operate the unit using a single key. Up to 20 such profiles can be stored in the unit.

#### Vacuum requirement

Vacuum pump should be capable of generating a vacuum at least 10,000 ft. higher than the max. required altitude.

#### Pressure requirement

Dry Air (No Nitrogen) at 35 psig. with a regulator dedicated to this unit.

#### Power requirement

90-260 VAC, 48-400 Hz., 100 watts

#### Interfaces

RS232 and IEEE-488  
Model 6505 Remote Unit optional

#### Dimensions & weight

6.5" high x 15.5" wide x 17.0 deep / 20 lbs.  
19-inch rack-mount kit optional

#### Environmental specs:

Operating temp. 0° to 50°C  
Storage temp. -25° to 75°C  
Humidity: 5 to 95% non-condensing

*Specifications subject to change without notice*

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