



## ADSE 746 Pitot-Static Tester

Our top range Pitot-static Tester



**RVSM**  
COMPLIANT

- ➔ ALTIMETERS TESTING
- ➔ AIRSPEED INDICATORS TESTING
- ➔ VERTICAL SPEED INDICATORS TESTING
- ➔ AIR DATA COMPUTERS TESTING
- ➔ PRESSURE SENSORS TESTING
- ➔ AOA TESTING FOR SPECIFIC PROBES
- ➔ LEAK TESTING
- ➔ WIFI



The **ADSE 746** caters fully for all aircraft types and the different electrical power supplies. It can be used for testing high performance civil and military aircraft, fix and rotary wing. This Pitot-static tester is designed primarily for flightline use to cover the testing of all barometric and manometric pressure instrument systems. The AoA Channel behaves as a second Pt channel, in order to create a differential pressure, allowing to perform simulations of different Angles of Attack. The large wireless touch screen display, with on-screen help, enables all checks to be carried out easily on the flight deck or in the cockpit, by a single operator. The test set is robust and housed in a mobile weatherproof case. A suitcase contains the pressure hoses and electrical cables. Accessories to suit specific applications may be supplied.

#### GENERAL DETAILS

Temperature	Operating -10°C to 50°C (14°F to 122°F) Storage -20°C to +60°C (-4°F to 140°F) (Extended Range on-demand)
Power supply	90/264 VAC from 50 to 400Hz
Case	Completely weatherproof, meets EMC requirements MIL STD 462D
Physical	625x500x297 mm (25.6 x 19.7 x 11.7 inch) 20kg (44 lbs)
Calibration	Recommended period 12 months
Ease of Use	Wi-Fi remote touch screen LCD colour
Ease of maintenance	Maintenance limited to calibration, regular external cleaning
Options	Range on Ps: 80,000 ft or 100,000 ft Range on Pt: 350 or 1,000 kts Altitude coder Suction Pump Internal Battery Pack Four selectable Outputs DC Power Option (19 to 32 V DC) EPR / Cabin Pressure / Outflow Valve Bigger Pumps (Volume dependant): 80,000 ft - 10,000 ft/min or 100,000 ft

#### MAIN FEATURES

Built-in pressure and vacuum pumps
Remote control with touch screen unit based on Windows
Complete self check enable
High accuracy, high resolution
RVSM compliant
Programmable leak test
Programmable flight envelope to protect equipment under test
Most important flight values displayed simultaneously
Programmable (password write protected) test schedules
Selectable pressure units: hPa; psi; inHg; mmHg; ft; m; kts; km/h; Mach number

#### MEASUREMENT SPECIFICATIONS IN STANDARD CONDITIONS

Function	Range	Accuracy
Altitude	-2,300 to 60,000 ft	± 3 ft at 0 ft
Altitude rate	100 to 6,000 ft/min	± 10 ft or ± 1 %
Airspeed (1)	0 to 800 kts	± 0.5 kt at 50 kts
Airspeed Mach	0 to 4.0 Mach	± 0.0006 M at 0.8 M at 25,000 ft
Angle of Attack (2)	± 1000 DhPa	± 0.35 DhPa
Static sensor (3)	72 to 1,100 hPa	± 0.13 hPa
Pitot sensor (3)	0 to 1,455 DhPa	± 0.30 DhPa
AoA sensor (3)	72 to 2,000 hPa	± 0.30 hPa

- (1) Accuracy after Autozero function  
(2) AoA options: +/-2,000 DhPa (± 0.40 DhPa)  
(3) Different range & rate of sensors available on request or options

On-going developments may cause a change in specifications without notice.  
Special developments may be considered on a case by case basis.

#### DELIVERY INCLUDED ACCESSORIES


Wifi Remote control in standard
Two nipples RB03-M / AN-4 M
10 m Ps and Pt flexible hoses with connector AN-4-F / RB03-M
10 m AC cable
Vertical plastic box with rolling tire system
Suitcase for tubes and cables


#### A FULL RANGE OF SERVICES DEDICATED TO YOUR PERFORMANCE

OUTSTANDING SERVICE  
Global service & calibration support, 2-day calibration  
Multi-brand Calibration Service  
Demo unit rental  
Training  
Maintenance & Repair  
Free loan period

➔ More information & Local contact on [ateq-aviation.com](http://ateq-aviation.com)

 **ATEQ AVIATION EMEA**  
Europe, Middle East, Russia, Africa  
+ Custom software/Hardware Requests  
15, rue des Dames  
78340 Les Clayes-sous-Bois - France  
Phone: +33-1 30 80 10 20  
Fax: +33-1 30 54 11 00

 **ATEQ AVIATION THE AMERICAS**  
3216 S. Nordic Rd  
Arlington Heights, IL 60005  
United States  
Phone: +1-847-640-6242  
Toll Free (USA only): 800-324-2885  
Fax: 847-640-8368

 **ATEQ AVIATION ASIA PACIFIC**  
38 Jalan Pemimpin #08-06,  
Singapore 577178  
Phone: +65 64511456  
Fax: +65 64591190