



ADSE 744 Tester

Pitot-static AoA Tester



RVSM
COMPLIANT

- ALTIMETERS TESTING
- AIRSPEED INDICATORS TESTING
- VERTICAL SPEED INDICATORS TESTING
- AOA TESTING FOR SPECIFIC PROBES
- LEAK TESTING
- WIFI



The **ADSE 744** 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. An attached bag contains the pressure hoses and electrical cables. Accessories to suit specific applications may be supplied.

GENERAL DETAILS

Temperature	Operating -5°C to 50°C (23°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	525x216x435mm (20,7 x 8,4 x 17.2 inch) 18kg (40 lbs)
Calibration	Recommended period 12 months
Ease of Use	Wi-Fi remote touch screen LCD colour Integrated bag for cables and hoses
Ease of maintenance	Maintenance limited to calibration, regular external cleaning
Options	Range on Pt: 350 kts EPR (Engine Pressure Ratio) Cabin Pressure Outflow Valve

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	± 1000 DhPa	± 0.35 DhPa
Static sensor (2)	72 to 1,100 hPa	± 0.13 hPa
Pitot sensor (2)	0 to 1,455 DhPa	± 0.30 DhPa
AoA sensor (2)	72 to 2,000 hPa	± 0.30 hPa

(1) Accuracy after Autozero function

(2) 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 / RB03M

10 m AC cable

Plastic water-resistant suitcase

Special bag 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



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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