





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) (Extanded 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 |

| Function | Range | Accuracy |
|----------|-------|----------|
| | | |

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.

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

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-restant 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

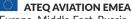
Multi-brand Calibration Service

Demo unit rental

Training Maintenance & Repair

Free loan period

(More information & Local contact on ateq-aviation.com



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