ATEQ
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We test, You fly.

ADSE 746 Pitot-Static

Our top range Pitot-static Tester

WiFi

RVSM
COMPLIANT

- ALTIMETERS TESTING
- AIRSPEED INDICATORS TESTING
- VERTICAL SPEED INDICATORS TESTING
- AIR DATA COMPUTERS TESTING
- PRESSURE SENSORS TESTING
- AOA TESTING FOR SPECIFIC PROBES
- LEAK TESTER
- 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. An attached bag 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) (Extanded Range on-demand)
Power supply	90/240V AC from 50 to 400Hz
Case	Completely weatherproof, meets EMC requirements MIL STD 462D
Physical	625x500x297 mm (25 x 20 x 12 inch) 20kg (44 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 Ps: 80,000 ft or 100,000 ft Range on Pt: 350 or 1,000 kts Range on AoA: +/-1,000 or +/-2,000 DhPa 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 - 15,000 ft/min or 100,000 ft - 60,000 ft/min

MAIN FEATURES

- Built-in pressure and vacuum pumps
- Remote control with touch screen unit based on Windows iOS
- Complete self check of set before use
- 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)	± 100 DhPa	± 0.20 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 1,200 hPa	± 0.13 hPa

(1) Accuracy after Autozero function
(2) AoA options: +/-1,000 DhPa (± 0.35 DhPa)
or +/-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 (Std Remote control availble in the TDS)
- Two nipples Staubli-M / AN-4 M
- 10 m Ps and Pt flexible hoses with connector AN-4 female /Staubli-M
- 10 m AC cable
- Color Tactile PC interface V03
- Vertical plastic box with rolling tire system
- Back 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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Non-contractual photos. Specifications subject to change without notice. September 2022.