



## ADSE 743 Pitot-Static Tester

Specific Commercial Aircraft Pitot-static Tester



**RVSM  
COMPLIANT**

- ➔ ALTIMETERS TESTING
- ➔ AIRSPEED INDICATORS TESTING
- ➔ VERTICAL SPEED INDICATORS TESTING
- ➔ LEAK TESTING
- ➔ WIFI



The **ADSE 743** 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 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 or 1,000 kts Suction Pump Internal Battery Pack DC Power Option (19 to 32 V DC) EPR / Cabin Pressure / Outflow Valve

#### MAIN FEATURES

Built-in pressure and vacuum pumps

Two selectable Outputs

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

(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 ( Std Remote control available in the TDS )

Two nipples RB03-M / AN-4 M

10 m Ps and Pt tube with connector AN-4-F / RB03-M

10 m AC cable

Plastic water-resistant suitcase

Special bag for tubes and cables

Internal Battery Pack (option)

#### 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)



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