



PITOT / STATIC TESTER

For hangar and tarmac

- ⇒ ALTIMETERS TESTING
- ⇒ AIR SPEED INDICATORS TESTING
- ⇒ VERTICAL SPEED INDICATORS TESTING
- ⇒ AIR DATA COMPUTERS TESTING
- ⇒ PRESSURE SENSORS TESTING
- ⇒ LEAK TESTER

RVSM COMPILANT

The ADSE 754 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

The multi-pressure outlets option can suit the more complex pilot-static-systems.

This Pitot Static Tester is designed primarily for flightline use to cover the testing of all barometric and manometric pressure instrument systems.

The large 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 fitted with tyre wheels.

An attached bag contains the pressure hoses and electrical cables.

Accessories to suit specific applications may be supplied.



ADSE 745

Main Features

- ◆ Built-in pressure and vacuum pumps
- ◆ Liquid crystal colour display with touch sensitive screen for operator instructions/help
- ◆ Remote control unit based on Windows XP tablet PC
- ◆ Complete self check of set before use
- ◆ High accuracy, high resolution
- ◆ RVSM compliant
- ◆ Programmable leak test
- ◆ Programmable flight envelope to protect equipment under test
- ◆ All four primary flight parameters displayed simultaneously
- ◆ Programmable (password write protected) test schedules – 24 programmes available
- ◆ Selectable pressure units : hPa; mb; in Hg; mmHg; ft; m; kts; km/h, ft/min; hm/min and Mach number



**RVSM
COMPLIANT**



TESTEUR PITOT / STATIC

ADSE 745

General details

Temperature range	Operating -10° to 50°C
Power supply	110/240V, 50 to 400 Hz AC, 150VA
Case:	Completely weatherproof, meets EMC requirements - MIL STD 462D
Physical:	320mm x 270mm x 715mm (case) 440mm x 420mm x 715mm (overall) 32 kg (71 lbs)
Calibration:	Recommended period 12 months
Ease of Use	Remote touch screen Wheeled case for manoeuvrability Integrated bag for cables and hoses
Ease of maintenance:	Modular design permitting ease of accessibility to mechanical assemblies and electronic components

Optional

Multi-pressure outlet (3 Ps & 3 Pt) variant
Power supply : 17 to 32V DC
Rechargeable 24V nickel-cadmium battery pack (1,5h)
Higher vacuum unit for up to 15,000ft/min and 80,000ft
Specific Pt sensor for best airspeed accuracy for helicopter
Integrated screen for UAV use
Remote Control Software for PC (Windows 2000 & XP)

Measurement specification

Function	Range	Accuracy (1)
Altitude:	-2,300 to 60,000ft	±3ft at 0ft ±8ft at 30,000ft ±32ft at 60,000ft
	-700 to 18,000m	±1m at 0m ±2.5m at 9,000m ±10m at 18,000m
	Altitude rate:	Up to ±6,000ft/min ±1% max. ±2,000m/min ±1%
Indicated airspeed:	10 to 800kts	±2kt at 50kts ±0.14kt at 500kts ±0.07kt at 800kts
	20 to 1480km/h	±3km/h at 100km/h ±0.26km/h at 900km/h ±0.13km/h at 1480km/h
	Mach No:	0.1 to 4.0 Mach ±0.002M at 0,8M/25,000ft ±0.004M at 1,7M/30,000ft
Static sensor	30 to 1200 mbar	0,01% FS (1)
Pitot sensor	30 to 3000 mbar	0,01% FS (1)

(1) linearity + repeatability + hysteresis at ambient +10° to +40°C
x 1,5 for -10° to +50°C
x 0,5 for ±2°C lab use

