

PITOT / STATIC TESTER ADSE 746

OUR TOP RANGE PITOT-STATIC TESTER

- ALTIMETERS TESTING
- AIR SPEED INDICATORS TESTING
- VERTICAL SPEED INDICATORS TESTING
- AIR DATA COMPUTERS TESTING
- PRESSURE SENSORS TESTING
- AOA TESTING FOR SPECIFIC PROBES
- LEAK TESTER

RVSM COMPLIANT



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. 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 tire wheels.

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

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 CE 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, Mach number

General details

Temperature range	Operating -10° to 50°C (14° to 122°F) Storage -20° to +60°C (-4° to 140°F)
Power supply	90/240V, 50 to 400Hz AC, 150VA
Case	Completely weatherproof, meets EMC requirements MIL STD 462D
Physical	320x270x715mm (12.5 x 10.6 x 28.1 inch) (case) 440x420x715mm (17.3 x 16.5 x 28.1 inch) (overall) - 32kg (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 (4 Ps, 4 Pt & 4 AoA) variant
Rechargeable 24V battery pack (2h)
Power supply : 17 to 32V DC
Higher vacuum unit for up to 15,000ft/min and 80,000ft
Ultra low speed function
Integrated screen for UAV use
Remote Control Software for PC (Windows CE)
Bigger Pump : Ps: 100,000ft , RC 50,000ft/min Pt : 1000kts (Volume Dependant)

Measurement specification

Function	Range	Accuracy ⁽¹⁾
Altitude	-2,300 to 60,000ft (-700 to 18,000m)	± 3ft at 0ft (± 1m at 0m)
		± 8ft at 30,000ft (± 2.5m at 9,000m)
		± 32ft at 60,000ft (± 10m at 18,000m)
Altitude rate	Up to ± 6,000ft/min Max. ± 2,000m/min	± 1%
		± 1%
Indicated airspeed	10 to 650kts (20 to 1200km/h)	± 2kt at 50kts (± 3km/h at 100km/h)
		± 0.14kt at 500kts (± 0.26km/h at 900km/h)
		± 0.07kt at 650kts (± 0.13km/h at 1200km/h)
Mach No	0.1 to 10.0 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⁾
AoA sensor	30 to 1200 mbar	0,01% FS ⁽¹⁾
EPR Test	0,1 to 10	0,005

⁽¹⁾ linearity + repeatability + hysteresis at ambient +10° to +40°C (50°F to 104°F)
x 1,5 for -10° to +50°C (14°F to 122°F)
x 0,5 for ± 2°C (36°F) lab use