



# PITOT / STATIC TESTER

## 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



**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 flight-line 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.

**RVSM COMPLIANT**

## ADSE 746



### 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**



# PITOT / STATIC TESTER

## ADSE 746

### 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:	440mm x 420mm x 715mm 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 (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 2000 & XP)
Bigger Pump : Ps: 100,000ft , RC 100,000ft/min Pt : 1000kts
Volume Dependant

### Measurement specification

Function	Range	Accuracy (1)
Altitude:	-2,300 to 80,000ft	±3ft at 0ft ±8ft at 30,000ft ±32ft at 60,000ft
	-700 to 24,380m	±1m at 0m ±2.5m at 9,000m ±10m at 18,000m
	Altitude rate:	Up to ±50,000ft/min ±1% max.±15,000m/min ±1%
Indicated airspeed:	10 to 1000kts	±2kt at 50kts ±0.14kt at 500kts ±0.07kt at 800kts
	20 to 1850km/h	±3km/h at 100km/h ±0.26km/h at 900km/h ±0.13km/h at 1480km/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	0,007% FS (1)
Pitot sensor	30 to 3000 mbar	0,007% FS (1)
AoA sensor	30 to 1200 mbar	0,007% FS (1)
EPR Test	0,1 to 10	0,005

(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

