



# 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**

**L'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 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 weather-proof case. An attached bag contains the pressure hoses and electrical cables.

Accessories to suit specific applications may be supplied.



## ADSE 743

### 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**
- ◆ Selectable pressure units : hPa; mb; in Hg; mmHg; ft; m; kts; km/h, ft/min; hm/min, Mach number,



**RVSM  
COMPLIANT**

# TESTEUR PITOT / STATIC

## ADSE 743

### 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:	515mm x 380mm x 270mm 17 kg (38 lbs)
Calibration:	Recommended period 12 months
Ease of Use	Remote touch screen  Integrated bag for cables and ho-
Ease of maintenance:	Maintenance limited to calibration, regular external cleaning and exchange of filters (with the calibration)

### Optional

Power supply	: 17 to 32V DC
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
	Up to ±6,000ft/min 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/
Mach No:	0.1 to 4.0 Mach	±0.002M at ±0.004M at
	Static sensor	30 to 1200 mbar
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°  
x 0,5 for ±2°C lab use

