

# ADSE 743 PITOT / STATIC TESTER

## THE BEST PITOT-STATIC TESTER ON THE MARKET

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

**RVSM COMPLIANT**



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 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.

### 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
- 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	515x380x270mm (20.3 x 15 x 10.6 inch) - 17kg (38 lbs)
Calibration	Recommended period 12 months
Ease of Use	Remote touch screen Integrated bag for cables and hoses
Ease of maintenance	Maintenance limited to calibration, regular external cleaning and exchange of filters (with the calibration)

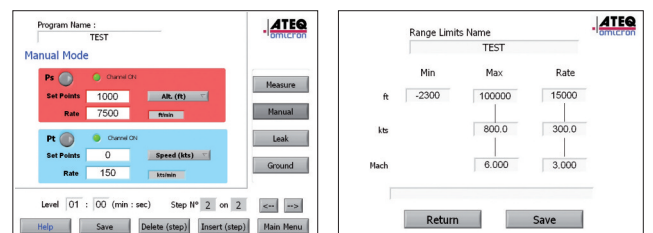
### Optional

DC Power supply:	17 to 32V DC
Remote Control Software for PC (Windows CE)	
Bigger Pumps:	80,000ft - 15,000ft/min (up to 100,000ft - 60,000ft/min (Volume dependant))
Low range Pt sensor:	350 kts max for better accuracy

### Measurement specification in standards conditions

Function	Range	Accuracy
Altitude	-2,300 to 60,000ft	±1.5ft at 0ft
	(up to -4,000ft to 100,000ft optional)	±4ft at 30,000ft ±16ft at 60,000ft
Altitude rate	± 0 to 6,000ft/min	± 1%
	(up to ± 60,000m/min optional)	± 1%
Indicated airspeed	10 to 800 kts	±1kt at 50kts (±0.5kts at 50kts optional)
	(up to 1000 kts optional)	±0.2kt at 350kts (±0.1kts at 350kts opt.) ±0.04kt at 650kts
Mach N°	0.1 to 4.0 Mach	±0.001M at 0.8M/25,000ft
	(0.1 to 10 Mach optional)	±0.002M at 1.7M/30,000ft
Static sensor	30 to 1200 mbar	0,01% FS
Pitot sensor	30 to 3000 mbar	0,01% FS

- Continuing development sometimes necessitates specification changes without notice.
- Special options can be analyzed and developed on request.



Typical screen display