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ADSE 741 PITOT / STATIC TESTER

FOR LABORATORY AND WORKSHOP

All in one high performance Pitot Static Tester

- ALTIMETERS TESTING
- AIRSPEED INDICATORS TESTING
- VERTICAL SPEED INDICATORS TESTING
- AIR DATA COMPUTERS TESTING
- PRESSURE SENSORS TESTING
- AoA TESTING FOR SPECIFIC PROBES

Main Features

- 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 programs 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 15° to 40°C (60° to 104°F) Storage -20° to +60°C (-4° to 140°F)
Power supply	90/240V, 50 to 400Hz AC, 150VA
Case	19" x 4 U x 524 mm (20.6 inch), 14kg (31 lbs)
Screen	17" LCD colour 2,5kg (5,5 lbs)
Calibration	Recommended period 12 months
Ease of Use	Windows human/machine interface Program script Easy programming of test reports
Ease of maintenance	Modular design permitting ease of accessibility to mechanical assemblies and electronic components

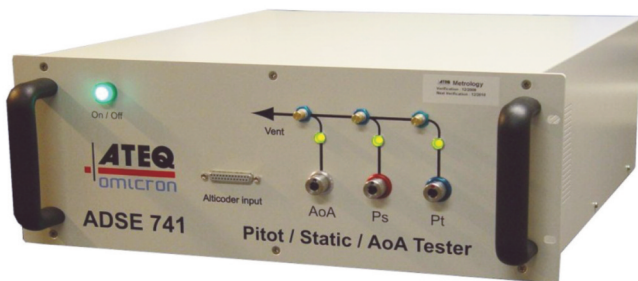
Optional

IEEE488 digital interface	
Ps & Pt outlet at the back of the bench	
Vertical housing	
Low range Pt sensor: 350 kts max for better accuracy	
Pneumatic connectors JIC 37 (AN4) or Staubli	

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
AoA 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.

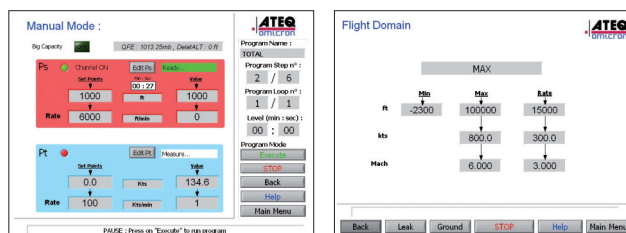


LAB

The ADSE 741 is a complete high performance three channel Ps, Pt and AoA stand-alone test bench specially designed to be used in the workshop or in the laboratory to test and calibrate all air data equipment such as altimeters, vertical speed indicators, air speed indicators, pneumatic AoA (Angle of Attack) indicators, MACH-meter, air data computers, specific probes and sensors.

The high precision embedded sensors enable the ADSE 741 to be used as a pressure standard.

The user interface is programmed under Windows® and Labview®, with a data base managed in a spreadsheet for easy evaluation, management, statistics and presentation.



Typical screen display