



# PITOT / STATIC TESTER

## For Laboratory and Workshop



⇒ ALTIMETERS TESTING

⇒ AIR SPEED INDICATORS TESTING

⇒ VERTICAL SPEED INDICATORS TESTING

⇒ AIR DATA COMPUTERS TESTING

⇒ PRESSURE SENSORS TESTING



**RVSM COMPLIANT**

*The ADSE 740* Pitot is a complete high performance dual pressure Ps and Pt 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, MACH-meter, air data computers ...) and sensors.

*The* high precision embedded sensors enable the *ADSE 740* to be used as a pressure standard.

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



## ADSE 740

### 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; m/min and Mach number



**RVSM  
COMPLIANT**

### General details

Temperature range	Operating : 15 °C to 40 °C
Power supply	110/240V,50 Hz AC, 150VA
Case:	19" x 4 U x 524 mm, 14kg (31lbs)
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

Internal pumps
IEEE488 digital interface
Ps & Pt outlet at the back of the bench
Vertical housing
Specific Pt sensor for improved accuracy at low speed
Pneumatic connectors JIC 37 (AN4) or Staubli

### 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 18,000m	±1m at 0m ±2.5 m at 9,000m ±10 m at 18,000m
	Altitude rate:	Up to ±15,000ft/min ±1% max.±5,000m/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/h
	Mach No:	0.1 to 4.0 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)
		(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

