# **PITOT / STATIC TESTER** For Laboratory and Workshop

 $\Rightarrow$  ALTIMETERS TESTING

- $\Rightarrow$  AIR SPEED INDICATORS TESTING
- $\Rightarrow$  VERTICAL SPEED INDICATORS TESTING
- $\Rightarrow$  AIR DATA COMPUTERS TESTING
- ⇒ PRESSURE SENSORS TESTING



## **RVSM COMPILANT**

The ADSE 740 Pitot is a complete high performance dual pressure Ps and Pt standalone 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.

*T*he 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

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### ABORT ENTE Keyhoard Input STOP START Ground Clear MENU

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	
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Internal pumps	
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IEEE488 digital interfac	
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IEEE488 digital interfac	
IEEE488 digital interface Ps & Pt outlet at the ba Vertical housing	

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## **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 interfa	се		
Ps & Pt outlet at the ba	ack of the bench		
Vertical housing			
Specific Pt sensor for i	mproved accuracy at low speed		

## **Measurement Specification**

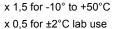
**PITOT / STATIC TESTER** 

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**ADSE 740** 

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)





ADTS Software OMICRON GSE-TECH

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**RVSM COMPLIANT**