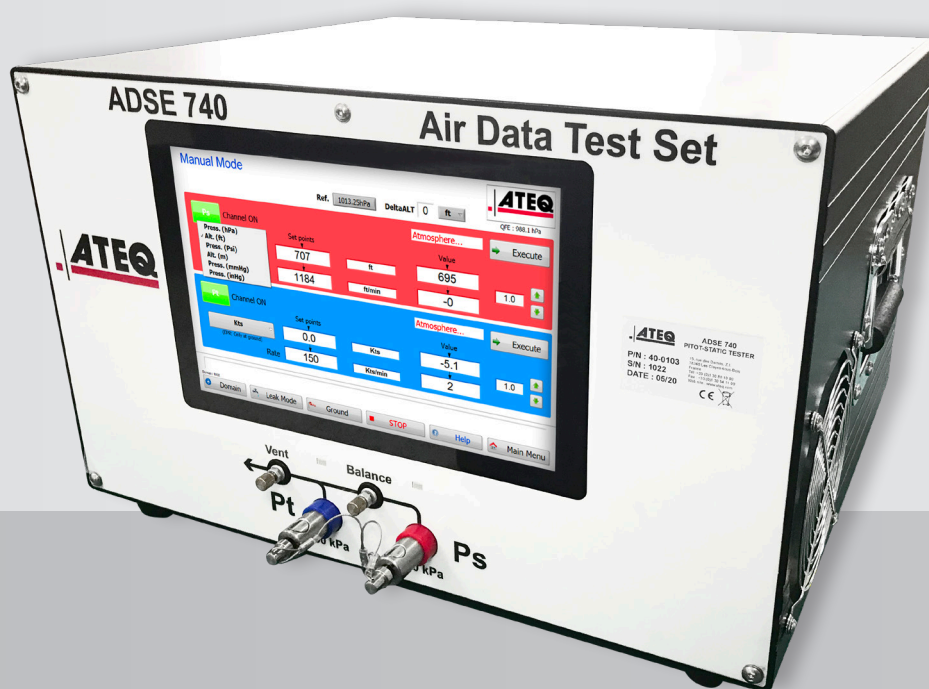




## ADSE 740 Pitot-Static Tester

Air Data Tester for Laboratory



**RVSM  
COMPLIANT**

- ➔ ALTIMETERS TESTING
- ➔ AIRSPEED INDICATORS TESTING
- ➔ VERTICAL SPEED INDICATORS TESTING
- ➔ LEAK TESTING



The **ADSE 740** 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. The high precision embedded sensors enable the ADSE 740 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.

#### GENERAL DETAILS

Temperature	Operating 10°C to 40°C (50°F to 104°F) Storage -20°C to +60°C (-4°F to 140°F) (Extended Range on-demand)
Power supply	90/264 VAC from 50 to 400Hz
Physical	440x260x380mm (17.3 x 10.2 x 11 inch) 20kg (44 lbs)
Screen	10" Touch Screen LCD colour
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
Options	Range on Ps: 80,000 ft or 100,000 ft Range on Pt: 350 or 1,000 kts Altitude coder Option SCPI Option EPR (Engine Pressure Ratio) Option Cabin Pressure Option Outflow Valve Option

#### MAIN FEATURES

Complete self check enable  
High accuracy, high resolution  
RVSM compliant  
Programmable leak test  
Programmable flight envelope to protect equipment under test  
Most important flight values displayed simultaneously  
Programmable (password write protected) test schedules  
Selectable pressure units: hPa; psi; inHg; mmHg; ft; m; kts; km/h;  
Mach number  
SCPI Command interface (RS232 by default)  
Computer connections: HDMI, USB port, Ethernet

#### MEASUREMENT SPECIFICATIONS IN STANDARD CONDITIONS

Function	Range	Accuracy
Altitude	-2,300 to 60,000 ft	± 3 ft at 0 ft
Altitude rate	100 to 6,000 ft/min	± 10 ft or ± 1 %
Airspeed (1)	0 to 800 kts	± 0.5 kt at 50 kts
Airspeed Mach	0 to 4.0 Mach	± 0.0006 M at 0.8 M at 25,000 ft
Static sensor (2)	72 to 1,100 hPa	± 0.13 hPa
Pitot sensor (2)	0 to 1,455 DhPa	± 0.30 DhPa

(1) Accuracy after Autozero function

(2) Different range & rate of sensors available on request or options

On-going developments may cause a change in specifications  
without notice.

Special developments may be considered on a case by case basis.

#### DELIVERY INCLUDED ACCESSORIES

Pressure and vacuum pumps

3 m Ps, Pt & AoA tube with connector AN-4 female /RB03-M

2 m AC 110/220 V cable

RS 232 PC interface

PC software for Windows

Two nipples RB03-M / AN-4 M

#### A FULL RANGE OF SERVICES DEDICATED TO YOUR PERFORMANCE

##### OUTSTANDING SERVICE

Global service & calibration support, 2-day calibration

Multi-brand Calibration Service

Demo unit rental

Training

Maintenance & Repair

Free loan period



More information & Local contact on [ateq-aviation.com](http://ateq-aviation.com)



##### ATEQ AVIATION EMEA

Europe, Middle East, Russia, Africa  
+ Custom software/Hardware Requests  
15, rue des Dames  
78340 Les Clayes-sous-Bois - France  
Phone: +33-1 30 80 10 20  
Fax: +33-1 30 54 11 00



##### ATEQ AVIATION THE AMERICAS

3216 S. Nordic Rd  
Arlington Heights, IL 60005  
United States  
Phone: +1-847-640-6242  
Toll Free (USA only): 800-324-2885  
Fax: 847-640-8368



##### ATEQ AVIATION ASIA PACIFIC

38 Jalan Pemimpin #08-06,  
Singapore 577178  
Phone: +65 64511456  
Fax: +65 64591190