RAPTOR SCIENTIFIC

ADTS

Global Provider of Test & Measurement Solutions

2 and 3-channel Pitot Static Test Set

Static (Ps) Range:	-3,000 to 65,000 feet
Pitot (Pt) Range:	0 to 800 knots
Static (Ps2) Option	AoA, AoS or range of Static (Ps) or Pitot (Pt) Smart Probe Compatible

- 7.0-inch touchscreen remote display (WiFi or wired operation) features an Intuitive Graphical User Interface
- Optional Ps2 channel for AoA, AoS or other test applications
- Common test set for nearly all commercial aircraft
- Durable case with retractable handle and smooth rolling wheels

ADTS-3250 Air Data Test Set

SMART PROBE COMPATIBLE

WiFi

RVSM

The ADTS-3250 is a portable, high precision, dual channel pitot static test set designed to calibrate, test and troubleshoot aircraft pitot-static systems and air data instrumentation. The ADTS can be used to test nearly all types of commercial aircraft and meets requirements for RVSM testing. The test set base model is a two-channel system - upgrade to the three-channel model for testing Angle of Attack (AoA).

The 7.0" touchscreen handheld Remote Control Unit can be operated both wirelessly using built-in WiFi direct or hardwired to the test set using the included cable. The intuitive graphical user interface is designed to virtually eliminate the operators learning curve.

Aircraft Pre-Select allows the operator to select pre-loaded aircraft profiles. Once selected, the profile limits the ranges and rates to the aircraft under test. Each aircraft profile can store a virtually unlimited amount of Test Sequences. These sequences can be programmed to perform semi-automated tests based on job guides or technical orders. This provides improved test consistency while decreasing testing times. Profiles and test sequences can be created and/or edited using the included Profile Builder software.

The remote unit allows the operator the ability to perform aircraft checks and control the test set directly from the cockpit. The WiFi connection provides greater range over Bluetooth systems.

The ADTS can be calibrated automatically using Raptor Scientific ADC Series Air Data Calibrators. Corrections are automated and require no mechanical adjustments. The transducers have been proven to hold their accuracy for a minimum period of one (1) year.

RAPTOR SCIENTIFIC | Raptor Scientific - Avionics Systems
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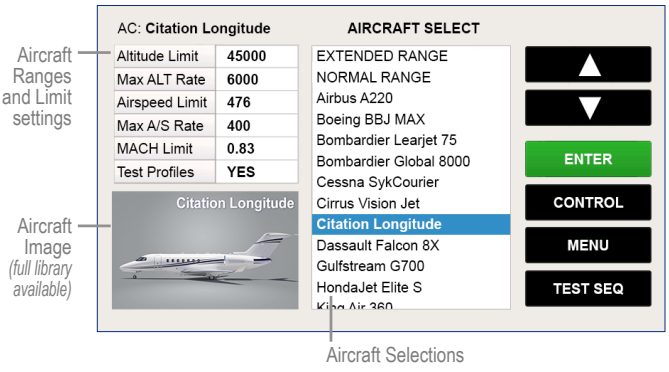
JETS/AIRLINERS ROTARY/UAV/DRONE CARGO/AIRLIFT

ADTS-3250 Specifications

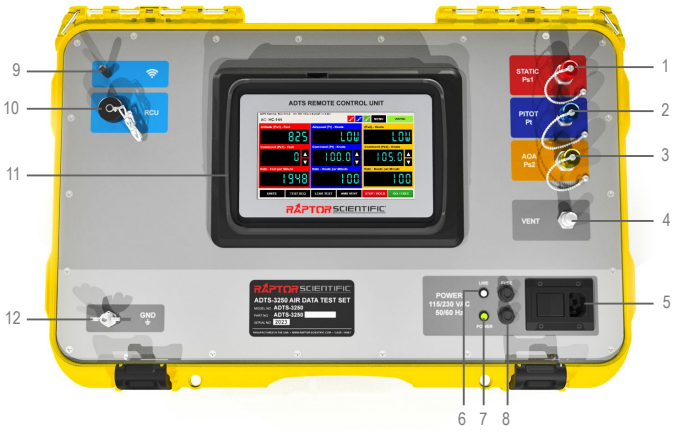
Altitude (Ps) Range	-3,000 to 65,000 ft
Altitude Accuracy	±3 ft at 0 ft ±7 ft at 30,000 feet ±36 ft at 65,000 feet
Altitude Rate	0 to 20,000 ft/min Accuracy: ±10 ft/min or ±1% setting
Altitude Resolution	1 ft, 0.01 mbar, 0.0001 inHg (Ps), 0.01 mmHg
Altitude Units	feet, meters, inHg, mmHg, mbar, hPa, PSIA
Airspeed (Pt) Range	0 to 650 knots
Airspeed Accuracy	±1.50 kts at 50 knots ±0.10 kts at 550 knots
Airspeed Rate	0 to 800 kts/min Accuracy: ±10 kts/min or ±1% setting
Airspeed Resolution	0.1 kt, 0.01 mbar, 0.0001 inHg (Pt), 0.01 mmHg
Airspeed Units	IAS/CAS, kts, Mach, inHg, mmHg, mbar, hPa, PSIA, kph
Ps2 Differential Function	Range: ±12.00 inHg Accuracy±0.010 inHg
Altitude Function	Function same as Ps1
Airspeed Function	Function same as Pt
Rate	0 to 20,000 ft/min
Display	7.0-inch color LED touchscreen
Interfaces	External: Remote, USB / Internal: RS-232, USB
Calibration Cycle	One (1) year
Power	90-265 VAC, 50/60 Hz, 1 Phase
Dimensions	25.4 x 20.0 x 14.5 in (62.2 x 50.8 x 36.8 cm)
Weight	42 lbs (19.1kg) *estimated*

Aircraft Pre-Select Feature

Aircraft Pre-Select mode allows the operator to select the aircraft under test. Profiles are pre-loaded at the factory or can be created by the end user. Test Sequences allow the ability to program an unlimited number of individual tests for each stored aircraft profile. These can easily be edited using our free Profile Builder software



Front Panel Features



1. Airspeed Pitot (Pt) input
2. Altitude Static (Ps) input
3. Differential / Ps2 / Pt input
4. Manual Vent
5. Input Power / Switch
6. Power Line indicator
7. Power On indicator
8. Fuse Holders
9. Wifi Antenna
10. Remote port
11. Remote Control Unit
12. Grounding port

Case Features

ADTS Remote Control Unit (RCU)

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