



ADTS-1575 Air Data Test Set Comparison

	ADTS-1575	ADTS 405
		
Specification		
Altitude Control Range	-3,000 to 85,000 feet	-3,000 to 80,000 feet
Altitude Resolution	1 ft, 0.3 m, 0.01 mbar, 0.0001 inHg	1 ft, 0.3 m
Altitude Rate ¹	0 to 50,000 ft/min 0 to 15,240 m/min	0 to 6,000 ft/min 0 to 1,829 m/min
Altitude Rate Accuracy	± 1% of command rate	± 1% of value
Altitude Accuracy	±3 ft (0.8m) at sea level ±7 ft (2.0 m) at 30,000 ft ±27 ft (8.5 m) at 60,000 ft	±3 ft (0.9 m) at sea level ±7 ft (2.1 m) at 30,000 ft ±29 ft (8.88 m) at 60,000 ft
Altitude Repeatability	±1 ft (±0.30 m) at sea level ±2 ft (±0.60 m) at 30,000 ft ±7 ft (±1.82 m) at 60,000 ft ±8 ft (±1.92 m) at 65,000 ft	±1 ft (±0.30 m) at sea level ±2 ft (±0.60 m) at 30,000 ft ±7 ft (±1.82 m) at 60,000 ft ±8 ft (±1.92 m) at 65,000 ft
Altitude Units	feet, meters, mBar, hPa, kPa, PSIA, inHg, inH ₂ O	feet, meters, mBar, PSI, inHg, inH ₂ O
Airspeed Control Range	0 to 1,000.0 kts	10 to 850 knots or 10 to 1,000 kts
Airspeed Resolution	0.1 kt, 0.01 mbar, 0.0001 inHg (Pt)	0.1 kt
Airspeed Accuracy	±0.5 kts at 50 kts ±0.07 kts at 550 kts ±0.05 kts at 1,000 kts	±0.5 kts at 50 kts ±0.07 kts at 550 kts ±0.05 kts at 1,000 kts
Airspeed Rate ¹	0 to 800 kts/min	0 to 800 kts/min
Altitude Resolution	0.1 kts, 0.01 mbar, 0.0001 inHg (Pt)	0.1 kts
Airspeed Units	knots, mBar, inHg, mmHg, Qc, hPa, Mach, km, Total Pressure (Pt)	knots, mBar, inHg, mmHg, Mach, km
MACH Range	0.0 - 10.0 Mach	0 - 10.0 Mach
Display	10.4-inch LED touchscreen display	Two (2) 2.2-inch Displays
Pneumatic Connections	Pitot: male JIC AN4 37° / Static: male JIC AN6 37°	Pitot: male JIC AN4 37° / Static: male JIC AN6 37°
Interfaces	RS-232, IEEE-488.2, USB (x3), Ethernet	Parallel Printer, IEEE-488.2 (option)
Calibration Cycle ²	One (1) year	One (1) year
RVSM Compliant	Yes	Yes
Power	90 to 265 VAC, 47 to 440Hz	90 to 260 VAC, 47 to 440 Hz, 180 to 265 VAC, 47 to 66 Hz

(1) All test set slew rates are load dependent and may be affected based on volume of the DUT. (2) Recommended calibration cycle, actual cycles are dictated by the end user.

