



Model 60654C

Pilot Static Air Data Leak Tester

RVSM Compliant

4-CHANNEL AIR DATA TESTING

P/N: PHPL-AS-GSE-PSADTS-6065-4CH



60,000 FT

MAXIMUM
ALTITUDE RANGE



650 KTS

MAXIMUM
AIRSPEED



10 – 12 HRS

BATTERY
OPERATION



4 CHANNEL

2 PITOT + 2 STATIC
CHANNELS

Precision Testing. anywhere.

The Pitot-Static Air Data Test Set is used to leak test and calibrate the avionics on helicopters, aircraft, UAVs, drones, jets, and lab equipment. With a wide operating envelope of up to 60,000 ft and 650 knots, this product is suitable for a huge variety of aircraft. With a 10 – 12 hour battery life, a full 8" touchscreen HMI, and a wide variety of communication and connection configurations, our Pitot-Static tester is ready for any challenge.

KEY FEATURES

- 1



4-Channel Control
2 Pitot and 2 Static channels.
- 2



Full Touchscreen Control
8" touchscreen HMI.
- 3



Wired Or Wireless HMI
Wi-Fi connectivity available.
- 4



RVSM Compliant
Lab tested.
- 5



10 – 12 Hour Battery
Continuous operation.
- 6



Lightweight and Compact
Easy to carry and deploy.
- 7



Remote Debugging
Solve issues quickly.
- 8



Emergency Venting Valves
Enhanced safety.

SUITABLE FOR

- 

HELICOPTERS
- 

AIRCRAFT
- 

UAVs
- 

JETS
- 

LAB EQUIPMENT

TECHNICAL SPECIFICATIONS

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ALTITUDE

Range	-2,000 ft. to +60,000 ft.
Resolution	1 ft.
Accuracy	3 ft. at 0 ft. 4 ft. at 10,000 ft. 6 ft. at 20,000 ft. 10 ft. at 40,000 ft. 22 ft. at 60,000 ft.
Units	Feet, meters, inHg, mmHg, mbar, Pa, psi, kPa

Any specific user defined units can also be added.



AIRSPEED

Range	0 to 650 kts
Resolution	0.1 kt
Accuracy	1 kt at 20 kts 0.3 kts at 50 kts 0.2 kts at 100 kts 0.1 kts at 200 kts
Units	Knots, kmph, mph, mach, and all pressure units (absolute and differential)

Any specific user defined units can also be added.



VERTICAL SPEED

Range	0 to 20,000 fpm
Resolution	1 fpm
Accuracy	1% of Rate of Climb
Units	Fpm, ft/sec, m/s, m/min

Any specific user defined units can also be added.



ACCELERATION

Range	0 to 1,000 kts/min
Resolution	1 kt/min
Accuracy	1% of Rate of Acceleration
Units	Kts/min, kts/sec, kmph/sec, kmph/min, mph/sec, mph/min, m/s ²

Any specific user defined units can also be added.



MACH FUNCTION

Range	0 to 3.0 Mach
Resolution	0.001 Mach
Accuracy	0.001 Mach above 0.2 Mach
General feature	User alerts when profile exceeds 1 Mach at any altitude.



COMMUNICATION INTERFACES

- Ethernet
- Wi-Fi (optional, requires additional dongle)
- HMI for user operation (wireless option available)



POWER

Supply	110 – 230 VAC or 170 – 270 VAC (with included charger) 24 VDC (direct supply)
Power consumption	100W



ENVIRONMENTAL CONDITIONS

Operating temperature:
-30°C to +55°C
Storage temperature:
-40°C to +55°C



DIMENSIONS AND WEIGHT

- Main unit including HMI:
44.55 cm x 36.09 cm x 18.19 cm
(17.54" x 14.21" x 7.16")
- Weight: 13.2 kg
(including HMI and battery)
- HMI Screen size: 8" touchscreen



BATTERY

Battery life:
10 – 12 hours of
continuous operation

Charging time:
3 hours from 0 – 100% SoC
(4 hours if charging during operation)



FILTRATION & DATA LOGGING

- 40µm vacuum and pressure filters for pitot and static lines (in and out)
- Panel mounted for easy, tool-free replacement
- Direct, real-time data logging to USB drive
- Can be inserted directly into the HMI

APPLICATIONS



Calibration of
avionics



Aircraft & helicopter
leak testing



Remote-area
testing



Flight-profile
monitoring



THE PREFECT ADVANTAGE

"Precision in Every Detail. Commitment in Every Partnership"



GLOBAL SERVICE AND SUPPORT

Global service and support worldwide.



2-DAY CALIBRATION TURNAROUND

Fast and reliable calibration service.



TEST / DEMO UNITS AVAILABLE

Get hands-on experience before you buy.



3 YEAR STANDARD WARRANTY

Peace of mind with extended support.



FREE ONLINE AND ON-SITE TRAINING

Comprehensive training for your team.



FREE SOFTWARE UPDATES (LIFETIME)

Stay up to date always.



CUSTOMIZED TO USER REQUIREMENTS

Configurations built around the way your team works.



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