

GE  
Measurement & Control

# Unplugged.

Wireless ADTS500 Series Easy-to-Use Pitot Static Testers



# Welcome to the wireless ADTS500 Series

Wireless operation with intuitive swipe technology makes aircraft pitot static air data testing faster, simpler and more accurate.



# Smarter ADTS at your fingertips

Designed for ease of use, efficiency and accuracy, ADTS500 Series air data test sets give you air data testing with just a swipe.



## Set yourself free with new technology

The ADTS Touch hand terminal with Bluetooth® wireless technology removes the need to run cables or hoses to the cockpit. The self-contained battery or plug-in ADTS500 Series base unit can easily be moved from shop to flightline. The intuitive icon touch menu, just like a smart phone, allows you to quickly scroll through available tasks. You can save and recall aircraft test sequences, view screens in a choice of languages and access altitude, rate of climb, calibrated airspeed and true airspeed with lightning-fast swipe commands.



## Get the capability you need

The ADTS500 Series handles testing requirements of almost any aircraft type. Choose the ADTS542F as a cost-effective solution for troubleshooting and for air data testing of aircraft with low pitot static volume demands. Other ADTS500 Series models offer greater capability for more demanding aircraft testing, coupled with multichannel versatility.

In addition to the standard two-channel Pt (Pitot Tube) and Ps (Pitot Static) air data testing, a three-channel version can test a probe with two Angle of Attack static ports. A four-channel version can be used as a two-channel, a three-channel or simultaneous two channels for the validation of pilot/first officer dual systems.



## Connect with Druck innovation

The ADTS500 Series incorporates advanced Druck TERPS (trench etched resonant pressure sensor) technology for accuracy that ensures RVSM (reduced vertical separation minimum) compliance. Druck Proportional Control Technology, coupled with a large pump capacity, delivers smooth pressure/vacuum control at high flow rates to satisfy any demand for high rate of change in a large volume.



## Adapt to your future needs

The modular design of the ADTS500 Series allows you to upgrade to more capability if your needs change. A two-channel pitot static tester can be upgraded at any time to three or four channels. Easy user software updates ensure your test sets are always up to date. GE's global support network and up to 24-month standard warranty provide real peace of mind.



# Innovative ADTS at your command



The capabilities and features of the ADTS500 Series cut down engineering time for standard maintenance, troubleshooting, fault-finding and emergency aircraft on ground situations.

- ADTS Touch hand terminal with WiFi and Bluetooth® wireless technology
- Day/night colour display with swipe technology user interface
- Independently controlled two, three, or four channels
- State-of-the-art TERPS pressure sensor technology
- Factory set or user defined limit protection for aircraft instruments
- Accuracy suitable for RVSM validation
- 15-month calibration interval for low cost of ownership
- Optional 18-month calibration interval for increased savings on the cost of ownership
- Altitude range from -3,000 to +60,000 feet
- Airspeed range from 20 to 650 knots
- Low airspeed option
- Ps only and Pt only control modes
- High-speed, smooth pressure/vacuum control for 6,000 feet/minute rate of climb to 30,000 feet ceiling at constant airspeed
- A minimum of 5,000 pump running hours for low cost of ownership
- Multiple languages with additional ones easily installed by customer
- Base unit and hand terminal software and firmware updated via USB mass storage device
- Optional additional ADTS Touch hand terminal
- Optional battery pack
- Optional accessories, including ADTS backpack, accessories bags, hoses, adapters and aircraft connectors
- Global service support



# The right ADTS to test your aircraft

Designed for the varied pitot static testing of most aircraft, the four models in the ADTS500 Series improve productivity for almost any operation.



## ADTS Touch

Removable robust hand terminal that communicates to the test set without wires via secure Bluetooth® wireless technology. It features a large easy-to-read display and swipe navigation with icons that are logical and easy to remember. Additional ADTS Touch units can be used together for even greater productivity.



## ADTS542F

Small, lightweight and cost-effective portable two-channel flightline air data test set for 'Aircraft on the Ramp' testing. Ideal for any aircraft with low pitot static volume demands or for light aircraft, including helicopters and propeller-driven airplanes. Provides pitot static air data validation, leak testing, fault finding and avionics instrumentation testing.



## ADTS552F

Portable two-channel flightline air data test set with large pitot static volume capability for use on a wide range of aircraft from light aircraft to wide body passenger and freight aircraft. Provides pitot static air data validation, leak testing, fault-finding and avionics instrumentation testing.



## ADTS553F

Portable three-channel flightline air data test set. Provides pitot static air data validation, leak testing, fault-finding and avionics instrumentation testing for any aircraft requiring angle of attack two off static-controlled channels, in addition to a pitot test channel. The ADTS553F can also be used as a standard two-channel flightline air data test set.



## ADTS554F

Portable four-channel flightline air data test set. In three-channel mode it provides pitot static air data validation, leak testing, fault-finding and avionics instrumentation testing for any aircraft requiring angle of attack two off static-controlled channels, in addition to a pitot test channel. The ADTS554F can also be used as a standard two-channel flightline air data test set or two simultaneous two-channel air data test sets.



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BR-220D

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