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**Calibrating
to the
stratosphere**



An Air Data Test Set (ADTS) plays an integral role in the safe operation and maintenance of an aircraft.

Also referred to as pitot static testers, ADTS' are used for testing and calibrating airspeed and aircraft pitot-static systems. In the aerospace industry, testing is required when on-board instruments are manufactured, repaired, calibrated or integrated into the aircraft.

Druck is the world's foremost supplier of Air Data Test Sets. We have over 25 years of dedicated experience in the design and manufacture of advanced pressure measuring instruments and the sensors contained within them. Our technologies play a vital role in ensuring aircraft operate efficiently.

Accurate

Druck has over 20 years' experience in the field of calibrating aircrafts' airspeed and altitude systems. Our current products (the ADTS 500 and 405 ranges) have TERPS® (Trench Etched Resonant Pressure Sensor) technology at their core, which delivers unprecedented metrological characteristics* and market leading levels of performance.

Our philosophy is to provide customers with solutions aligned to their needs, where our specifications meet customers' requirements. As we design and build TERPS® in house we have the knowledge to provide openness and transparency as to our instruments' capabilities. With this in mind, we only use achieved performance data on our datasheets and specification documents.

*Accuracy, long term stability, precision, performance over temperature, not sensitive to media used for calibration.

Dynamic

At Druck we have a complete family of Air Data Test Sets to cover your calibration needs. Whether low flying sight seeing aircraft, commercial aviation or combat jets, Druck has the product to meet your needs.

Built upon over 20 years of design and manufacturing experience, the ADTS 500 series and the new ADTS 405 MkII provide a wide range of options to cover all of your aircraft pitot static calibration needs.

The ADTS 500 series features an intuitive user interface and a high level of pump performance, allowing simultaneous use of four independent channels on a large bodied aircraft. This simultaneous control of all four channels allows independent and leak-free pilot/co-pilot air data verification, saving time and money.

Trusted

With market leading TERPS® technology at the heart of the product, best-in class air data accuracy, resolution and drift performance can be achieved. Total product error budget is well within RVSM limits to allow for aircraft system errors.

Other features and benefits include:

- Fully compliant* to all EU, North America and many other country-specific product certification standards
- Built-in protection and self-test features to prevent the possibility of aircraft air data instrumentation damage in the event of a system failure
- Instantaneous pressure control (in case of system leaks)
- Secure Bluetooth link to a robust hand terminal, avoiding the possibility of tablet app incompatibilities and the need for a router link

*via third party approval





Safe

Druck is the supplier of choice for many of the world's militaries. The ADTS 405 MkII, with its rugged design and its predecessors, have seen operations across the globe for more than 20 years.

The evolution of the ADTS 405 MkII, launched in 2018, encompasses our rich design and manufacturing history and over 20 years of customer use. This is combined with modern electronics and industry leading TERPS® sensing technology providing the system with the most stable and accurate pressure sensors available.

The combination of our technical heritage, innovation and global service support enable us to create solutions to fit any customer's needs, from light aircraft owners through MRO (Maintenance Repair Overhaul) organisations to global airlines and many of the world's militaries, Druck has a solution for every customer.

Built upon Druck technology, our range of Air Data Test Sets are the pinnacle of aircraft testing and calibration. Our many years of experience have resulted in our ADTS 500 series and our new ADTS 405 MkII being the highest quality pitot static testers available. All models provide 0.01% accuracy, so you can be confident that your aircraft are operating with pinpoint precision and accuracy.

Introducing the range

Also referred to as Pitot Static testers, ADTS' are used for testing and calibrating airspeed and aircraft pitot static systems. The ADTS 500 Series of pitot static testers provides a smarter way to perform standard aircraft maintenance, troubleshooting, fault-finding and emergency aircraft on ground instrumentation validation.

They are designed for ease of use. Featuring Bluetooth® wireless technology, the ADTS Touch hand terminal removes the need to run cables or hoses to the cockpit. It has an icon-driven, swipe-screen interface that makes navigating to and the performance of tasks swift and intuitive.

ADTS 405 MkII brings reliability and high accuracy into our highest performance air data test system. The rugged design has evolved as a result of our continuous research and development, customer feedback and experience gained from manufacturing thousands of automatic pressure controllers. This has enabled performance, maintainability, and operational simplicity to be optimized into this industry-leading instrument.

ADTS 542F



ADTS 552F



ADTS 553F



ADTS 554F



ADTS 405 MkII



ADTS 542F



ADTS 542F

A 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.

Features and benefits

- Portable, compact, robust, self-contained for flightline aircraft pitot static validation
- TERPS® pressure sensor accuracy, enables aircraft RVSM validation
- Wireless communication with ADTS Touch hand terminal to use, resulting in no cables running to the cockpit
- Low air speed option for helicopters
- Stores customized aircraft test sequences and observed readings which improves productivity
- New Proportional Control Technology and stable pressure control

Please refer to our ADTS 542F datasheet for further details.



ADTS 552F



ADTS 552F

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.

Features and benefits

All ADTS 542F features plus:

- Large pressure and vacuum pumps high ROC into a typical aircraft volume
- 650 kts airspeed and 60,000 ft altitude range, ideal for all civilian aircraft
- Extended range – optional altitude range of 65,000 ft
- Future proof – retrospectively upgradeable to add channels

Please refer to our ADTS 552F datasheet for further details.



ADTS 553F



ADTS 553F

Portable three-channel flightline Air Data Test Set. Provides pitot static air data validation leak testing, fault-finding and avionics instrumentation testing. The two static channels in addition to a pitot channel make this unit ideal for aircraft fitted with a smart probe requiring angle of attack validation. The ADTS 553F can also be used as a standard two-channel flightline air data test set.

Features and benefits

All ADTS 552F features plus:

- Three controlled channels (Pt, Ps1 and Ps2) – Angle of Attack (AoA) validation in addition to two channels
- Aircraft test program option productivity for Embraer 170 and 190
- Can be used as a two- or three-channel ADTS to cover multiple tests

Please refer to our ADTS 553F datasheet for further details.



ADTS 554F



ADTS 554F

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. The two static channels in addition to a pitot channel make this unit ideal for aircraft fitted with a smart probe requiring angle of attack validation. The ADTS 554F can also be used as a standard two-channel flightline air data test set or two simultaneous two-channel Air Data Test Sets.

Features and benefits

All ADTS 553F functions plus:

- Two control channels, therefore can be used as per our ADTS 552F
- Three controlled channels (Pt, Ps1 and Ps2) therefore can be used as per our ADTS 553F
- Four controlled channels (2 x ADTS 552F in 1 unit) providing productivity gains, and pilot versus first officer true error test
- Four controlled channels (Pt1, Pt2, Ps1 and Ps2) to protect avionics system against leaks during test

Please refer to our ADTS 554F datasheet for further details.



ADTS 405 MkII



ADTS 405 MkII

ADTS 405 MkII brings reliability and high accuracy into our highest performance air data test system. The rugged, compact design has evolved as a result of our continuous research and development, customer feedback and experience gained from manufacturing thousands of automatic pressure controllers. This has enabled performance, maintainability, and operational simplicity to be optimized into this industry-leading instrument.

Features and benefits

- High accuracy TERPS* sensor suitable for testing RVSM aircraft
- Flightline and rack mount versions
- Civil and military specification
- Integral or remote pressure/vacuum supplies
- Fully programmable for aircraft type
- Protection for aircraft instruments
- Fully CE and ROHS II compliant


Please refer to our ADTS 405 MkII datasheet for further details.

Druck Assured Service Plans

Peace of mind service plans. Expert, trusted, assured.
We've got it covered...

Ensuring a predictable cost of ownership and providing you with a best in class service. Our Service Plans are designed to maximize your operating uptime, with a prioritized response from our team of industry experts.

The many advantages of a Druck Assured Service Plan:

-  **Save time: predictability & speed**
Known pricing, pre-defined service level agreement, service management with anticipated scheduling and less administrative and processing time.
-  **Save money: reduction of operational costs**
Rates guaranteed for the duration of the contract and special conditions for long-term agreements.
-  **Experts: trusted source service provider**
OEM parts and services performed by a team of industry experts, access to Technical Support hotline, assigned direct point of contact.
-  **Peace of mind: frequent health checks**
Keep your instruments operating efficiently with frequent health checks. With the offering of a Premier Druck Assured Service Plan covering unscheduled maintenance, we can provide peace of mind by not having unexpected repair costs. Maximize your asset availability and productivity whilst reducing your downtime.

Druck Assured Service Plans offer tailored services to suit your needs

Scope		Principle	Professional	Premier
Scheduled accredited calibration	1x1 Year	•	•	•
Preventative maintenance	1x1 Year	•	•	•
Technical support from industry experts	As needed	•	•	•
Expedited TAT / prioritization	All returns	•	•	•
Discount in specific parts / training	As agreed	-	•	•
Fixed price repairs	As needed	-	•	-
Free repairs for unscheduled maintenance	As needed	-	-	•
Options				
Onsite calibration	All returns	•	•	•
Loaner programme	As agreed	•	•	•
Extended warranty	As needed	-	•	•

Druck Assured Air Data Set rentals

Our equipment rental solutions could be the most cost-effective option when facing the challenge of meeting peak production demands or troubleshooting unexpected situations. We offer our full range of air data test set rentals for a wide range of aerospace applications.

Some equipment available for same or next day delivery

Our industry experts have real world expertise and knowledge of your applications

Product usage tips

We handle all annual calibration and maintenance costs



We are a global technology company that designs, develops and manufactures the highest quality, most accurate and reliable customized pressure sensing devices and instruments, software and services. We leverage innovation, continuous improvement and unprecedented quality, to enable our Customers to successfully operate, produce systems, monitor and/or control mission-critical assets in tough environments across the world's most challenging applications.

We delight customers with tailored solutions that address their challenges; embodying our deep domain knowledge of customers' applications, the most innovative and high performance connected pressure sensing devices, instruments, software and services; produced with the highest standards of safety, quality and delivery.

We are Druck. We provide peace of mind in the toughest environments.

Contact us

For more information please contact your local Druck representative, or visit:

druck.com

