



Pitot Probes

0851 Series

UTC Aerospace Systems is at the forefront of air data technology—researching, designing, manufacturing, qualifying and supporting custom air data solutions.

With over 50 years of air data experience and innovation, UTC Aerospace Systems continues to be at the forefront of air data technology. The robust design of our Pitot probes relays vital information for aircraft flight control by providing highly accurate Pitot pressure measurement over a wide range of angles of attack and airspeeds even in extreme icing conditions. UTC Aerospace Systems' Pitot probes have demonstrated success around the world on the majority of aircraft types in operation.



Features & Benefits

- Robust design
- Proprietary wire heater design
- De-icing capability
- High reliability
- 28 VDC and 115 VAC options

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State-of-the-art Testing Capabilities

UTC Aerospace Systems has one of the most capable icing wind tunnels in the world. Aerodynamic and icing testing is essential to analyze the effectiveness of air data products. The new icing wind tunnel allows UTC Aerospace Systems to meet the new, stringent icing requirements for air data probes set forth by the world's aviation regulatory agencies. It offers significantly increased capabilities, such as colder temperatures and higher altitudes, and is capable of producing both solid ice particles and supercooled liquid water droplets in high concentrations. Extensive wind tunnel testing allows us to optimize the design for performance throughout the flight envelope and environmental conditions experienced in flight.



Customized Design

UTC Aerospace Systems develops custom solutions to ensure proper performance in the local airflow conditions created by the unique shape of each aircraft model and the flight envelope it is designed to meet. UTC Aerospace Systems' aerodynamic experts also assist with determining the optimal probe location on the aircraft.

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For additional information:

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