



# Multi-Function Probes

## Model 0858 Series

The Model 0858 Series of probes are fuselage or boom-mounted all-weather Angle of Attack and Angle of Sideslip probes, allowing precise pneumatic measurement of local flow angle.



With over 60 years of air data experience and innovation, UTC Aerospace Systems continues to be at the forefront of air data technology – researching, designing, manufacturing, qualifying and supporting custom air data solutions. The robust design of our multi-function probes provides vital information for aircraft flight control by providing highly accurate pneumatic measurement of local flow angles up to  $\pm 45^\circ$  and  $0.2^\circ$  probe measurement accuracy. UTC Aerospace Systems' multi-function probes have demonstrated success around the world on the majority of aircraft types in operation.

### Benefits & Features

- Pneumatic measurements of local flow angles up to  $\pm 45^\circ$
- $0.2^\circ$  probe measurement accuracy
- Robust design
- Anti-icing capability
- High reliability
- 115 VAC or 28 VDC options
- Models available with pitot and static measurement capability

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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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