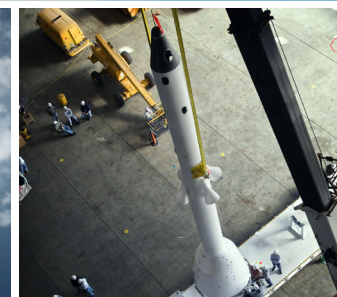
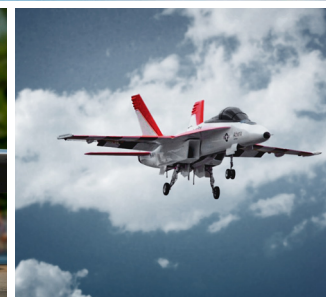


# HEATED AIR DATA PROBE



## UNIQUE CHALLENGES. QUALITY SOLUTIONS.

Our air data probes represent the next generation of air data measurement for manned and unmanned systems. Heated air data probes are designed for manned and unmanned systems needing rain resistance and de-icing capability. Our air data probes are unmatched in performance, particularly when supported by our Micro Air Data System ( $\mu$ ADS).

The  $\mu$ ADS 2.0 incorporates our industry-leading air-data reduction algorithms into a compact, lightweight micro air data computer. When paired with one of our air data probes, the airspeed, angle of attack, and angle of sideslip are measured with high accuracy while the integrated GPS/INS unit produces real-time synched data.



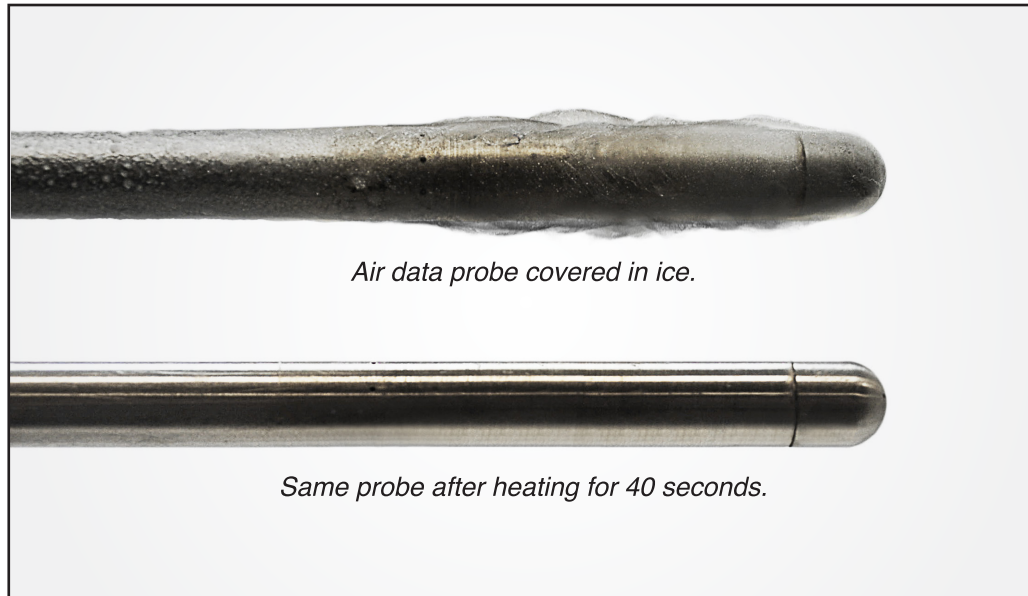
*Global Supplier of Air Data Measurement Systems*

**Connect With Us:** [aeroprobe.com](http://aeroprobe.com) | +1 (540) 443 - 9215 | [info@aeroprobe.com](mailto:info@aeroprobe.com)

# INNOVATIVE TECHNOLOGY

Pressure-based velocity measurements are simple, effective and reliable. Because they contain no moving parts and are lighter systems, pneumatic air data measurements offer many advantages over mechanical measurement systems. Our five-hole air data systems build upon this foundation to enable smaller vehicles access to air data vital for maneuvering and stability.

We have continued to innovate and enhance our air data probe line, particularly the heated air data probe. These probes can now be implemented in all sorts of environmental conditions and our engineers can advise end users on technical aspects of air data system implementation. We continue to create innovative designs to advance five-hole probe technology to provide high-quality, robust data measurement solutions.



## FEATURES & CAPABILITIES

- Average Measured Velocity Error \*
- Average Measured Angular Error of  $<1^\circ$
- Probe Calibrations from 5 m/s to Mach 2.0
- Typical Power 30 W, Maximum Power 160 W
- Typical Current 1.25 A, Maximum Current 2 A
- Maximum Probe Temperature 200 °C
- Minimum Probe Diameter with Heater 11 mm
- Embedded Thermocouple Available
- Automatic Temperature Control Available
- Custom Engineer Solutions Available

\* The greater of  $\pm 1\%$  or  $\pm 1$  m/s. Reported probe calibration accuracies are based on the measured error values for a comprehensive set of test points collected in Aeroprobe's wind tunnel facilities. Flow environments exist where expected errors could be larger. **Contact us for more information.**