

AIR DATA SOLUTIONS FOR UNCREWED AIR SYSTEMS



ID2HP-series For small/low-cost systems

- Returns airspeed, temperature, pressure (altitude), humidity
- 6-axis IMU for orientation, vibration warn or navigation
- Ranges from 1-30 kts up to supersonic
- Available with or without heaters
- Armored stainless, low-observability polymer or carbon fiber



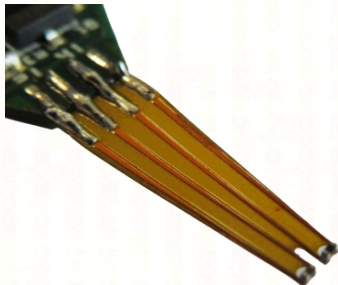
ID8HP-series For high performance

- Returns airspeed, incidence, sideslip, OAT, total temperature, static pressure (altitude), total pressure, humidity & 6-axis IMU
- Ideal for HALE/HAPS platforms; down to 90g total mass
- Available with RS-485, RS-232, ethernet, or UART comms
- Available with or without heaters



FD7HP-series For fastest response

- Returns airspeed, incidence, sideslip, temperature, pressure (altitude), humidity & 6-axis IMU
- Ideal for high speed/high maneuverability systems
- Time-accurate data at up to 800 Hz response
- Available with or without heaters



MUCTA-series For integrated sensing

- Senses based on temperature, not pressure
- Airspeed measurements down to 0 kts
- Can return airspeed, incidence, sideslip & temperature
- Ultraminiature, surface-integrated sensing solution
- Negligible observability, surface-flush compatible with tube-launch; ideal for hover/transition flight
- Parylene-coated for resilience; low FOD susceptibility



Kiel Probe For total pressure measurement

- Accurate total pressure measurement across wide flow angles up to $\pm 50^\circ$
- Far exceeds the $\pm 5^\circ$ limitation of a standard pitot tube
- DMLS stainless steel or Inconel; tip diameters as small as 1.6mm
- Standard models: KP12, KP37, KP57; custom geometries available
- Accuracy: $\pm 0.1\%$ | Max temperature: 980°C
- Available through K-Tec Systems, authorized U.S. distributor



5-Hole Probe For 3D flow vector measurement

- Resolves total pressure, static pressure, and flow direction in yaw and pitch
- Five pressure ports measure full 3D flow vector, even in highly complex flows
- DMLS manufactured in stainless steel, titanium, or Inconel; rated to 980°C
- Minimum probe head diameter: 2mm
- Accuracy: $\pm 0.25\%$ | Flow angles up to $\pm 45^\circ$