

AEROSPACE, DEFENSE, AUTOMOTIVE AND MOTORSPORT TESTING

Yaw Pitots

Accurate wind speed and direction information for on-vehicle aerodynamic testing.

KEY SPECIFICATIONS

Accuracy	±0.25%
Flow angle	Up to ±30°
Maximum temperature	980°C
Minimum probe head diameter	3.6 mm
Materials	Stainless steel (typical), Inconel (high temperature), titanium (weight-critical)
Manufacturing method	Direct Metal Laser Sintering (DMLS), customizable to mounting requirements
Calibration	Individual calibration across five speeds over the full operating angle range; supplied as lookup tables

NOTES

Measures dynamic pressure and wind yaw angle, and improves dynamic and static pressure measurement with yaw.

Each probe is supplied with its own calibration from an in-house wind tunnel, covering five speeds over the full operating angle range, as lookup tables.

TYPICAL APPLICATIONS

Motorsport. Formula 1 and other high-level motorsport aerodynamic testing.

Heavy vehicles. Road testing of heavy haulage trucks in ambient wind.

Road-to-tunnel correlation. Measured yaw lets wind tunnel and CFD data be compared with real driving conditions.

INTEGRATED SENSING AND SUPPORT FROM K-TEC SYSTEMS

K-Tec Systems manufactures custom thermocouples, RTDs, wire harnesses and test stands in Ferndale, Michigan. Thermocouples and RTDs can be incorporated into compatible probe designs for simultaneous flow and temperature measurement. Contact us for a quotation or an application review.

K-Tec Systems

2615 Wolcott St, Ferndale, MI 48220 | 248-414-4100 | k-tecsystems.com
CAGE Code 4W0S0 | WBENC and WOSB certified woman-owned small business | CMMC Level 2

Specifications are manufacturer values and may change. Confirm configuration, material and lead time at quotation.