

KAPT SERIES PITOT TUBE



A Pitot Tube is used to measure Speed relative to the surrounding air.

The assembly is made up of a pair of concentric tubes; the ellipsoidal nose cone at the tip has a small aperture in the end which is connected to the inner tube whilst an annular ring of holes on the outer tube senses the static/surrounding air pressure.

Therefore by measuring the difference between the air pressure of the inner and outer tubes (please see KA Sensors KAP Differential Pressure Sensor), the speed of the vehicle can be sensed, measured and calculated.

The KAPT Pitot Tube is an in house design and is a manufactured product that is ideally partnered with the KAP Differential Pressure Sensor. Individually or used together they offer a cost effective High Performance solution for Dynamic Pressure Measurements in demanding motorsport and automotive applications; ideal for high precision data acquisition or control systems.

Offering a high level of reliability and endurance the KAPT is protected against the high vibration, shock and high temperatures found in motorsport.

The KAPT is also suitable for wet/wet installations.

Whilst a standard sized KAPT is available, a fully bespoke customer service is also available.

TECHNICAL SPECIFICATIONS

Material	316 Grade Stainless Steel
Outer/Static Tube	6mm ID
Inner/Dynamic Tube	2mm ID
Horizontal Length (Reach)	100mm Standard (Others Available)
Vertical Length (Deck Height)	150mm Standard (Others Available)
Ellipsoidal/Dynamic Aperture	1mm
Annular/Static Aperture	4 x 1mm
Dynamic Connection	4mm Barb Fitting
Static Connection	4mm Barb Fitting
Weight	35g
Options	Reach, Deck Height and Labelling

KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.

Sensors For Motorsport

Features

- Precision Engineered
- Bespoke Service
- Rugged Design
- Stainless Steel
- Partners KAP

Applications

- Aerodynamics
- Air Speed

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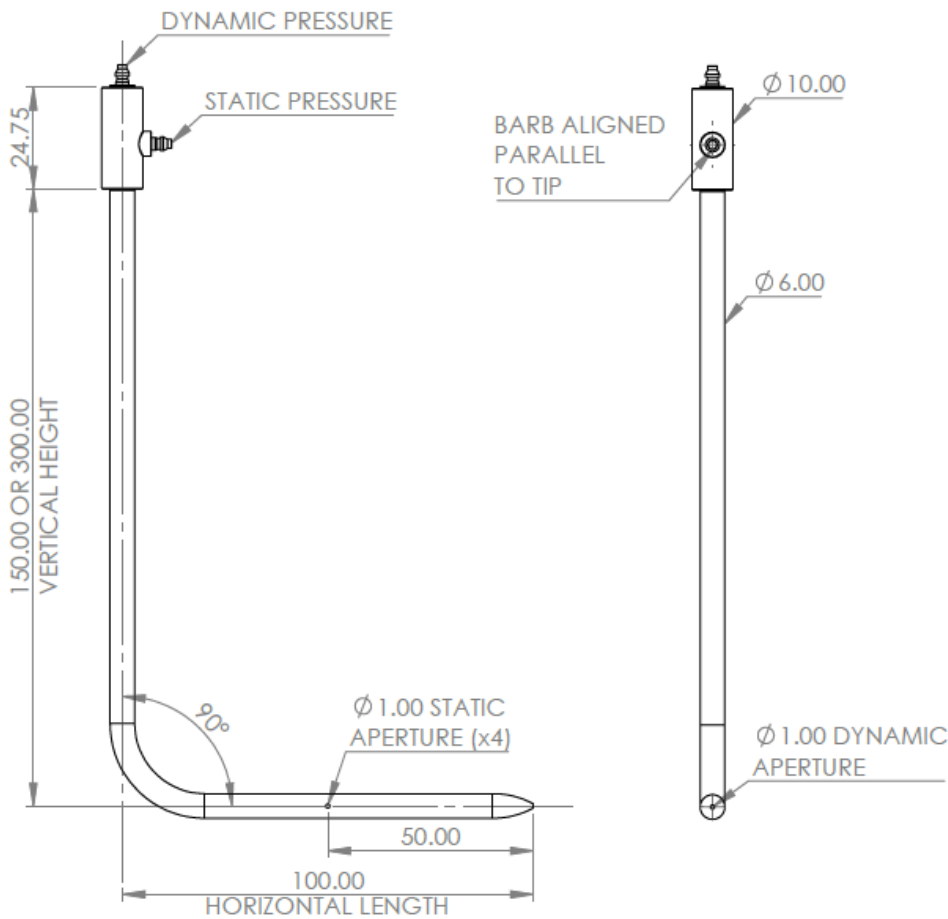
KAPT 10.18

PART NUMBER CONFIGURATOR



The KA configuration tool is used to specify a standard KA Sensor, other options are available.

MECHANICAL DETAILS



CONNECTION DETAILS

Static Connection	Dynamic Connection
4mm Barb	4mm Barb

Sense
Analyse
Control

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact us

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KAPT 10.18