

## ASLAB SERIES LIGHTWEIGHT BARBED PRESSURE TRANSDUCER



The ASLAB Lightweight Barbed High Performance Pressure Transducers have been designed for the detection of fluid and air pressures in demanding motorsport and automotive applications.

With a modular construction and programmable amplifier, this provides a fast delivery time for standard and custom configurations.

Pressure ranges are available between 1 to 5 Bar in Absolute reference.

Industry standard 3-wire electrical connections allow configuration with most common ECU's and data logging systems.

The ASLAB Series are race proven in many formula around the world; offering a cost effective solutions for professional engineers.

## TECHNICAL SPECIFICATIONS

<b>Pressure Reference</b>	Absolute
<b>Standard Pressure Ranges (Bar)</b>	1, 2, 3, 4, 5 (Compound Ranges Available)
<b>Proof Pressure (Over range)</b>	150% of Range
<b>Burst Pressure</b>	>300% of Range
<b>Accuracy</b>	±0.5% FS Combined Linearity & Hysteresis (CNLH)
<b>Thermal Accuracy</b>	Zero ±0.04% FS/°C (Sensitivity ±0.04% of Reading /°C)
<b>Output</b>	Standard: 0.5V to 4.5V (±0.5%) Special Code 406: 0.25V to 4.75V (±0.5%)
<b>Supply</b>	5V (±0.5V) Ratiometric or 8-16Vdc
<b>Operating Temperature Range</b>	-20°C to +135°C
<b>Compensated Temperature Range</b>	0°C to +125°C
<b>Construction</b>	Alumina, Black Anodised Aluminium, FEP and Viton
<b>Electrical Connection</b>	50cm 26AWG, FEP Insulated Screened Cable
<b>Process Connection (Thread Size)</b>	Barb to Suit 4mm ID Tube
<b>Protection Class</b>	IP67
<b>EMC Protection &amp; Vibration</b>	EN E50082-1 and Mil-Std-810C, Curve L, 20G
<b>Weight</b>	34g
<b>Options</b>	Cable Spec, Connector Fitted & Labelling

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

## Sensors For Motorsport

### Features

- Barbed Hose Fitting
- 1 to 5 Bar Range
- Rugged Construction
- Lightweight
- Amplified Output
- ±0.5% Accuracy

### Applications

- Low Pressure
- Barometric
- Boost
- MAP

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# PART NUMBER CONFIGURATOR

Pressure Reference  
Pressure Range

Supply Voltage

Accuracy (CNLH)

Accuracy (Thermal Shift)

Electrical Connection

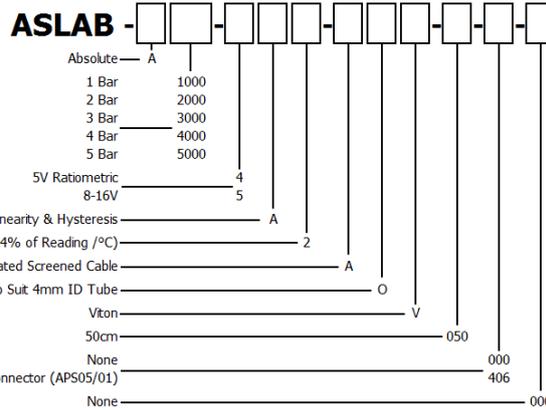
Process Connection

O-Ring Material (Internal)

Cable Length

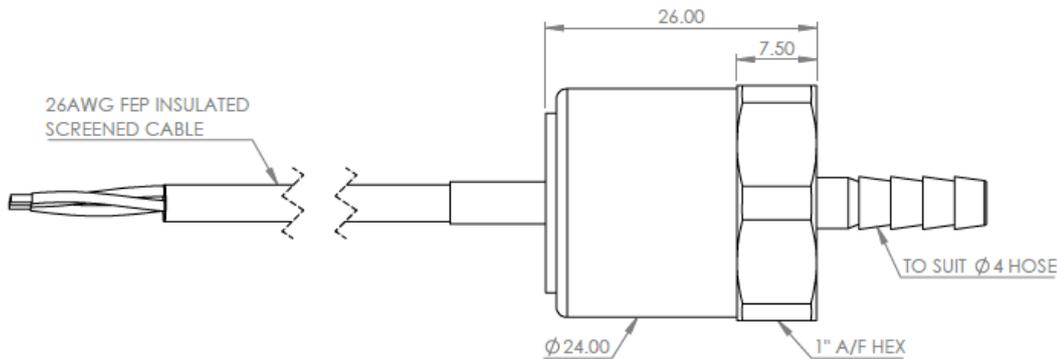
Special Code 1

Special Code 2



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

## MECHANICAL DETAILS



## CONNECTION DETAILS

+Ve Supply	0V Supply	Signal
Red	Blue	Yellow

*Sense  
Analyse  
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

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