

## 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 on-vehicle automotive applications.

The modular construction and programmable amplifier provide a fast delivery time for standard and custom configurations.

Pressure ranges are available between 0- 15 and 0- 75 psi 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 and can be found in many race formula around the world; offering a cost effective solution for professional engineers.

## Sensors For Motorsport

### Features

- Barbed Hose Fitting
- 15 to 75 psi Range
- Lightweight - 1.2oz
- Amplified Output
- $\pm 0.5\%$  Accuracy

## TECHNICAL SPECIFICATIONS

<b>Pressure Reference</b>	Absolute
<b>Standard Pressure Ranges (psi)</b>	15, 30, 45, 60 and 75 psi (Compound Ranges Available)
<b>Proof Pressure (overload)</b>	150% of Range
<b>Burst Pressure</b>	>300% of Range
<b>Accuracy</b>	$\pm 0.5\%$ FS Combined Linearity & Hysteresis (CNLH)
<b>Thermal Accuracy</b>	Zero $\pm 0.025\%$ FS/ $^{\circ}$ F (Sensitivity $\pm 0.025\%$ of Reading / $^{\circ}$ F)
<b>Output</b>	Standard: 0.5V to 4.5V ( $\pm 0.5\%$ ) (Special Code 406: 0.25V to 4.75V ( $\pm 0.5\%$ ))
<b>Power Supply</b>	5V ( $\pm 0.5V$ ) Ratiometric or 8-16Vdc
<b>Operating Temperature Range</b>	-5 $^{\circ}$ F to 275 $^{\circ}$ F (-20 $^{\circ}$ C to +135 $^{\circ}$ C)
<b>Compensated Temperature Range</b>	32 $^{\circ}$ F to 300 $^{\circ}$ F (0 $^{\circ}$ C to +125 $^{\circ}$ C)
<b>Construction</b>	Alumina, Black Anodized Aluminum, FEP and Viton
<b>Electrical Connection</b>	20" 26AWG, FEP Insulated Shielded Cable
<b>Process Connection (Thread Size)</b>	Barb to Suit 0.15" 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>	1.2oz (including cable)
<b>Options</b>	Cable Spec, Connector Fitted & Labelling

### Applications

- *Low Pressure*
- *Barometric*
- *Boost*
- *MAP*

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Represented by:



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

# PART NUMBER CONFIGURATOR

Pressure Reference

Pressure Range

Supply Voltage

Accuracy (CNLH)

Accuracy (Thermal Shift)

Electrical Connection

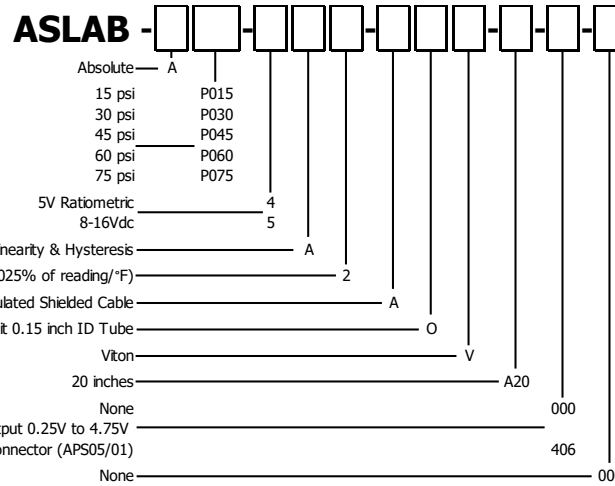
Process Connection

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.

*Sense  
Analyze  
Control*

## Sensors For:

- Temperature
- Acceleration
- Pressure
- Position
- Torque
- Speed
- Angle
- Force

## Services For:

- Data Logging
- Telemetry
- Controls
- Wiring

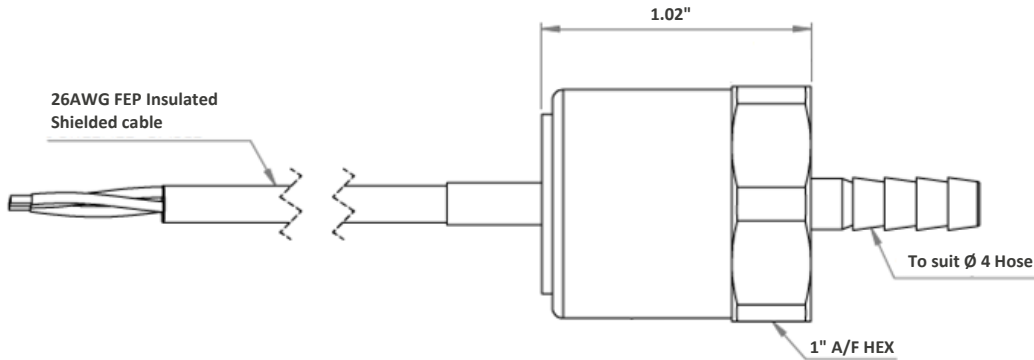
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# MECHANICAL DETAILS

Dimensions in inches



# ELECTRICAL DETAILS

+Ve Supply	0V Supply	Signal
Red	Blue	Yellow