

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

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

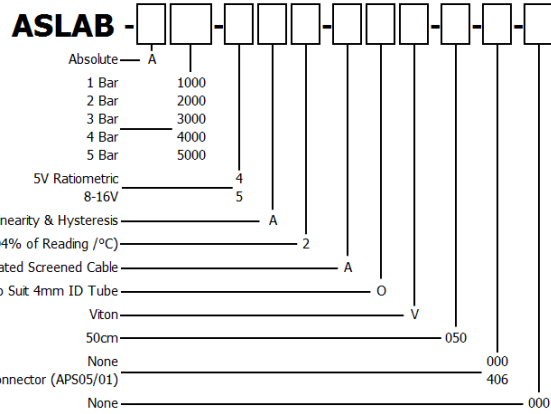
Process Connection

O-Ring Material (Internal)

Cable Length

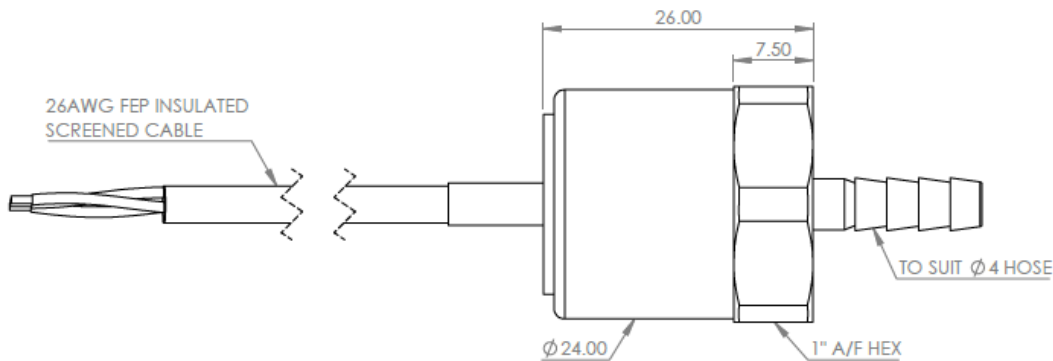
Special Code 1

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	Black	White

*Sense
Analyse
Control*

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

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