

ASLAB SERIES LIGHTWEIGHT BARBED PRESSURE TRANSDUCER



The ASLAB Series of Lightweight Standard Pressure Transducers have been designed for air box or boost pressures in demanding motorsport and automotive applications; ideal for high precision data acquisition or control systems. These transducers can be installed directly onto vehicles, or as part of a test stand or dyno.

Offering a high level of reliability and endurance the ASLAB is protected against the high vibration, shock and high temperatures found in motorsport. With a modular construction and programmable amplifier, this provides a fast delivery time for standard configurations.

Pressure ranges are available with a common range of either 2 or 5 Bar Absolute reference. Industry standard 3-wire electrical connections allow configuration with most common ECU's and data logging systems. The ASLAB Series is race proven in many formulae around the world, offering a cost effective solutions for professional engineers.

TECHNICAL SPECIFICATIONS

Pressure Reference	Absolute
Standard Pressure Ranges (Bar)	2 or 5
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%)
Supply	5V - 40V d.c. (Less than 20mA consumption)
Operating Temperature Range	-20°C to +135°C
Compensated Temperature Range	0°C to +125°C
Construction	Black Anodised Aluminium, FEP and Viton internal O-rings
Electrical Connection	50cm 26AWG, FEP Insulated Screened Cable
Process Connection (Thread Size)	Barb to Suit 4mm ID Tube
Protection Class	IP67. Dust tight & water immersion to 1m for 30mins
EMC Protection & Vibration	EN E50082-1 and Mil-Std-810C, Curve L, 20G
Weight	34g

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

PRESSURE | TEMPERATURE | FORCE | TORQUE | POSITION | SPEED | ACCELERATION | GYRO

Sensors For Motorsport

Features

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

Applications

- Low Pressure
- Barometric
- Boost
- MAP

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ASLAB
KA014P-DS (rev1)

PART NUMBER CONFIGURATOR

Pressure Range

Special Code 1

ASLAB - **A**

2 Bar — 2000
5 Bar — 5000
None — 000

Sense
Analyse
Control

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

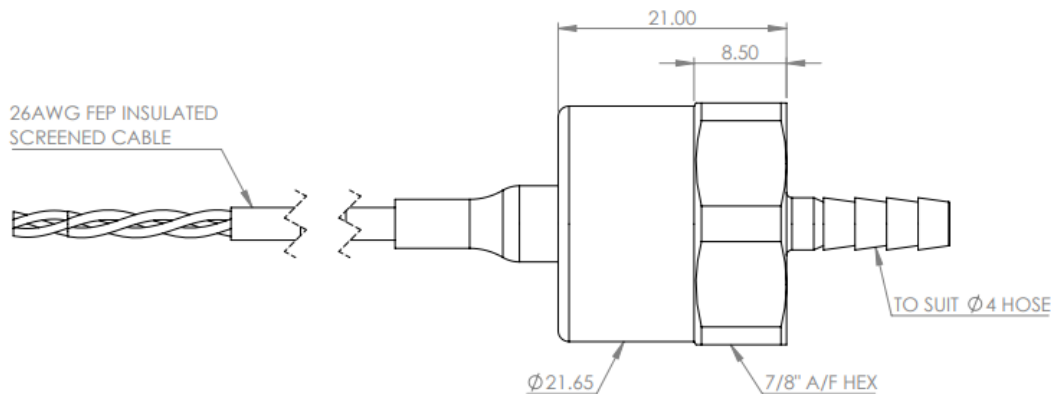
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MECHANICAL DETAILS



CONNECTION DETAILS

+Ve Supply	0V Supply	Signal
Red	Black	White