

ASLA SERIES LIGHTWEIGHT PRESSURE TRANSDUCER



*Sense
Analyse
Control*

The ASLA 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 ASLA 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 2, 5 or 10 Bar in either Absolute or Sealed Gauge reference, with an optional pressure port snubber to assist with filtering pressure spikes.

Industry standard 3-wire electrical connections allow configuration with most common ECU's and data logging systems. The ASLA Series is race proven in many formulae around the world; offering a cost effective solutions for professional engineers.

TECHNICAL SPECIFICATIONS

Pressure Reference	Absolute or Sealed Gauge
Standard Pressure Ranges (Bar)	2, 5 & 10
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	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)	Please see Part Number Configurator
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	30g (Including Cable)

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

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

Features

- Lightweight
- Compact Design
- 2, 5 or 10 Bar Range
- Rugged Construction
- Amplified Output
- ±0.5% Accuracy
- Optional Snubber

Applications

- Aerodynamics
- Barometric
- Airbox
- Boost
- Fuel
- Oil

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ASLA
KA013P-DS (rev1)

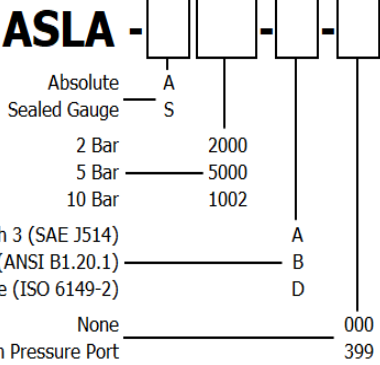
PART NUMBER CONFIGURATOR

Pressure Reference

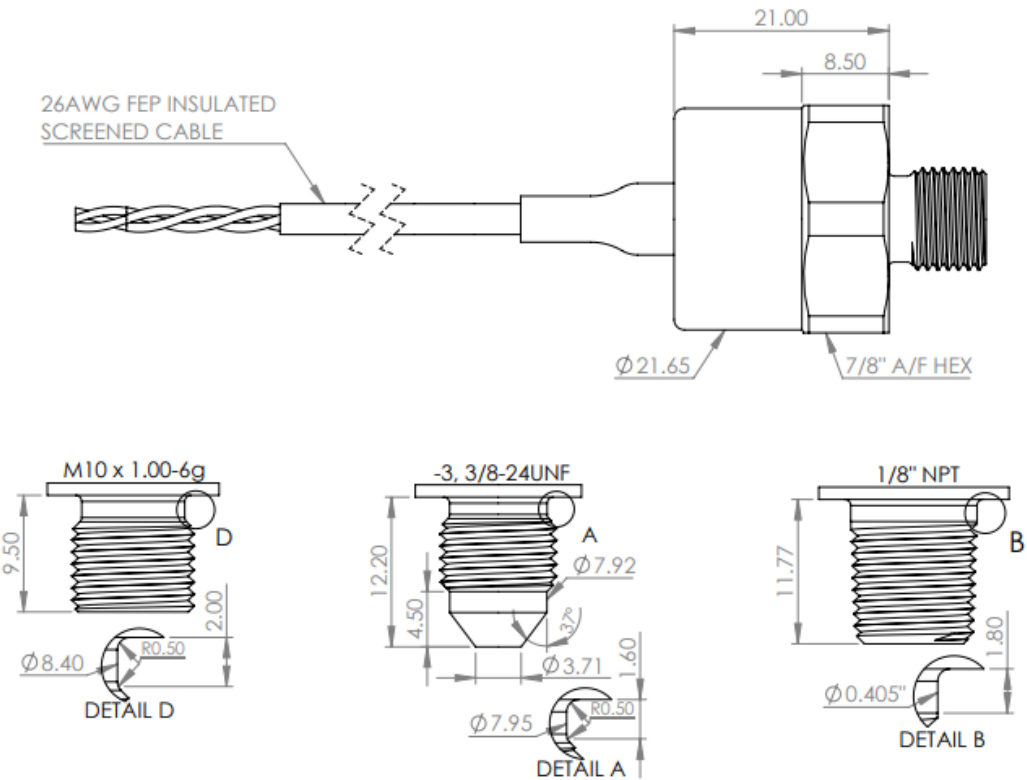
Pressure Range

Process Connection

Special Code



MECHANICAL DETAILS



CONNECTION DETAILS

+Ve Supply	0V Supply	Signal
Red	Black	White

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Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact us

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