

ASLA Series Lightweight Pressure Transducer



bf1systems
The Competitive Advantage

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 & 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 24AWG, FEP Insulated Screened Cable
Process Connection (Thread Sizes)	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, 20
Weight	30g (Including Cable)

bf1systems adopts a continuous development program which sometimes necessitates specification changes without notice.

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

Contact Us:

bf1systems
Unit 13 Springfield Business
Park
Priest Court
Grantham
Lincolnshire
NG31 7FZ
United Kingdom

+44 (0)1476 568057
sales@bf1systems.com

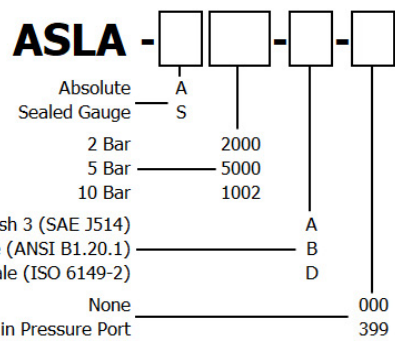
Part Number Configuration

Pressure Reference

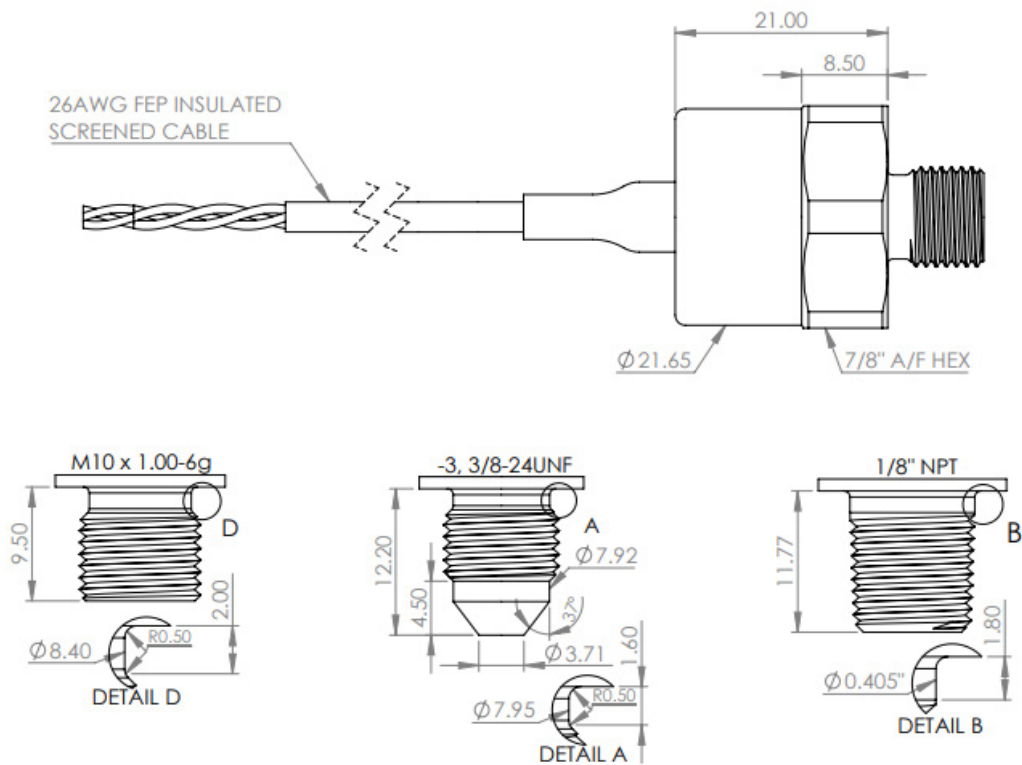
Pressure Range

Process Connection

Special Code



Mechanical Details



Connection Details

+VE Supply	0V Supply	Signal
Red	Black	White

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