

ASL Series Standard Pressure Transducer



bf1systems
The Competitive Advantage

The ASL Series of Standard Pressure Transducers have been designed for the detection of fluid and air 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 ASL Series is protected against the high vibration, shock and high temperatures found in motorsport. With a modular construction and a programmable amplifier, this provides a large stock available of standard parts for fast delivery.

Pressure ranges are available between 2 to 200 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 ASL Series is race proven in many formulae around the world, offering a cost effective solution for professional engineers.

Technical Specifications

Pressure Reference	Absolute & Sealed Gauge
Pressure Ranges (Bar)	2, 10, 35, 100 & 200
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	Stainless Steel with either EPDM or 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, 20G
Weight	34g

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

Features

- Compact Design
- 2 to 200 Bar Range
- Amplified Output
- Rugged Design
- ±0.5% Accuracy
- Optional Snubber

Applications

- Coolant
- Brakes
- Water
- 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

