



ASLA SERIES LIGHTWEIGHT PRESSURE TRANSDUCER

The ASLA light weight high performance pressure transducers have been designed for air box or boost pressures in demanding motorsport and automotive applications.

These are ideal for high precision data acquisition or control systems. The transducers can be installed directly onto vehicles or as part of a test stand or dyno.

The transducers offer a high level of reliability and endurance, they are protected against the high vibration, shock and high temperatures found in motorsport.

The modular construction and programmable amplifier provide a fast delivery time for standard and custom configurations.

Pressure ranges are available between 1 bar to 10 bar sealed gauge and absolute reference.

Industry standard 3-wire electrical connections allow configuration with most common ECU's and data logging systems. The ASLA series are race proven and can be found in many race formula around the world.

**Sense
Measure
Control**

Features

- *Lightweight*
- *Compact Design*
- *1 to 10 Bar Range*
- *Rugged Construction*
- *Amplified Output*
- *±0.5% Accuracy*

TECHNICAL SPECIFICATIONS

Pressure Datum	Sealed gauge and absolute
Standard Pressure Ranges (Bar)	1, 2, 4, 5 ,10 (Others available)
Safe Over Range	150% of range
Burst Pressure	>300% of range
Accuracy	±0.5% FS combined linearity & hysteresis (CNLH)
Thermal Effects	Zero ±0.04% FS/°C (Sensitivity ±0.04% of reading /°C)
Output	0.5V to 4.5V
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	Black anodised aluminium, alumina, Viton & FEP
Electrical Connection	50cm, 26AWG FEP insulated screened cable
Process Connection (Thread Size)	3/8" 24 UNF(-3), 1/8"NPT male & M10 x 1
Protection Class	IP67
EMC Protection & Vibration	EN 50082-1 and Mil-Std-810C, curve L, 20G
Weight	30g (Including cable)
Options	Cable length, connector fitted, thread size and labelling

Applications

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

Contact us

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

KAlibrated solutions for motorsport

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