



AS SERIES HIGH ACCURACY PRESSURE TRANSDUCER

The AS Series of High Performance 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 AS is protected against the high vibration, shock and high temperatures found in motorsport. With a modular construction and programmable amplifier provide a fast delivery time for standard and custom configurations. Pressure ranges are available between 1 to 400 Bar in either Absolute, Gauge or Sealed Gauge reference.

Industry standard 3-wire electrical connections allow configuration with most common ECU's and data logging systems.

The AS Series are race proven in many formula around the world and offer a reliable and cost effective solution for professional engineers.

TECHNICAL SPECIFICATIONS

Pressure Reference	Absolute, Gauge and Sealed Gauge
Standard Pressure Ranges (Bar)	1, 5, 10, 15, 20, 35, 50, 100, 200 and 400
Proof Pressure (Over range)	150% of Range
Burst Pressure	>300% of Range
Accuracy	±0.25% FS Combined Linearity & Hysteresis (CNLH)
Thermal Effects	Zero ±0.02% FS/°C (Sensitivity ±0.02% of Reading /°C)
Output	0.5V to 4.5V (±0.5%)
Supply	5V (±0.5V) Ratiometric or 8-16Vdc
Operating Temperature Range	-20°C to +135°C
Compensated Temperature Range	0°C to +135°C
Construction	Alumina, EPDM, Stainless Steel & Viton
Electrical Connection	50cm 26AWG, 55spec Wire +DR25 Sleeve
Process Connection (Thread Size)	Please see Part Number Configurator
Protection Class	IP67
EMC Protection & Vibration	EN 50082-1 and Mil-Std-810C, Curve L, 20G
Weight	49g (Including Cable)
Options	Cable Spec, Connector Fitted, Thread Size & Labelling

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

Sensors For Motorsport

Features

- High Accuracy
- 1 to 400 Bar Range
- Rugged Design
- Amplified Output
- ±0.25% Accuracy

Applications

- Coolant
- Brakes
- Water
- Boost
- Fuel
- Oil

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