



ASH SERIES HIGH PERFORMANCE PRESSURE TRANSDUCER (LOW RANGE)

The ASH Series of High Performance Pressure Transducers have been designed for extreme endurance and high temperature installations in motorsport and automotive applications; ideal for high precision data acquisition or control systems. These transducers can be installed directly onto vehicles, as part of a test stand or dyno.

Offering a high level of reliability and endurance the ASH is protected against the high vibration, shock and high temperatures found in motorsport.

With a modular construction and programmable amplifier provide a fast delivery for standard and custom configurations. Continuous operation up to 150°C allows for installation in hot zones.

Pressure ranges offered between 1 to 10 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.

TECHNICAL SPECIFICATIONS

Pressure Reference	Absolute, Gauge and Sealed Gauge
Standard Pressure Ranges (Bar)	1, 1.2, 5, 8, 10 (Compound Ranges Available)
Proof Pressure (Over range)	300% of Range
Burst Pressure	>1000% of Range
Accuracy	±0.08% FS Combined Linearity & Hysteresis (CNLH)
Thermal Accuracy	TEB for Compensated Range <±0.25% FS
Output	0.5V to 4.5V (±0.25%)
Supply	5V (±0.5V) Ratiometric or 8-16Vdc
Operating Temperature Range	-40°C to +150°C
Compensated Temperature Range	0°C to +125°C
Bandwidth	0-1000Hz, 5000Hz (Selectable at time of Order)
Construction	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 E50082-1 and up to 5KHz Sine at 100g
Weight	54g (Including Cable)
Options	Cable Spec, Connector Fitted, Thread Size & Labelling

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

Sensors For Motorsport

Features

- High Fatigue Life
- High Accuracy
- 1 to 10 Bar Range
- Rugged Design
- Amplified Output
- ±0.08% Accuracy

Applications

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

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