

ASH Series High Performance Pressure Transducer Up to 150 psi

The ASH series of high performance pressure transducers have been designed specifically for extreme endurance and high temperature installations for motorsport and on-vehicle automotive applications.

They 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 ASH Series offer a high level of reliability and endurance, and are protected against the high vibration, shock and temperatures found in motorsport. Continuous operation up to 300°F allows for installations in hot zones.

The modular construction and programmable amplifier provide a fast delivery time for standard and custom configurations. Pressure ranges are available from 0-15 to 0- 150 psi in either Absolute, Gauge or Sealed Gauge. 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 (psi)	15, 17.5, 50, 75, 100, 115, and 150 psi (Compound ranges available) For ranges above 150 psi see ASH High Range datasheet	
Proof Pressure (overload)	300% of range	
Burst Pressure	10xFS of range	
Accuracy	±0.08% FS combined linearity & hysteresis (CNLH)	
Thermal Effects	<±0.25% FS TEB for Compensated Range	
Output	0.5V to 4.5V (±0.25% of span)	
Power Supply	5V (±0.5V) Ratiometric or 8-16Vdc	
Operating Temperature Range	-40°F to 300°F (-40°C to +150°C)	
Compensated Temperature Range	32°F to 250°F (0°C to +125°C)	
Bandwidth	0-1000Hz, 0-2000Hz, 0-5000Hz (Selectable at time of order)	
Construction	Stainless Steel, Viton	
Electrical Connection	20", 26AWG, 55spec Wire +DR25 Sleeve	
Process Connection (Thread Size)	Please see Part Number Configurator - Page 2	
Protection Class	IP67	
EMC Protection & Vibration	EN 50082-1 and up to 5KHz Sine at 100g	
Weight	1.9oz (including cable)	
Options PMC/KA Sensors adopts a continuous develop	Cable Spec, Connector Fitted, Thread Size & Labelling ment program which sometimes necessitates specification changes without notice	

Sensors

For Motorsport

Features

- Vibration: 100g 5KHz
- 0-15 to 0-150 psi
- ±0.08% Accuracy
- Welded Construction
- 300°F Continuous

Applications

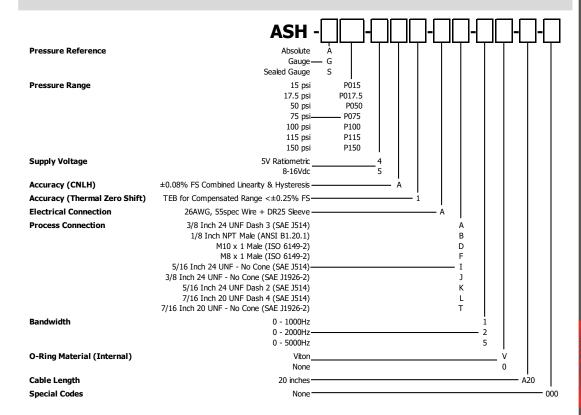
- Coolant
- Brakes
- Water
- Boost
- Fuel
- Oil

sales@pmc1.com www.kasensors.com Represented bu:

PRESSURE | TEMPERATURE | FORCE | TORQUE | POSITION | SPEED | ACCELERATION | GYRO

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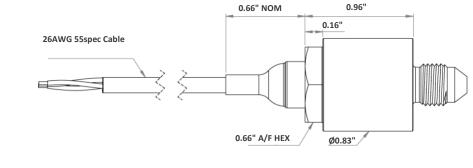
PART NUMBER CONFIGURATOR

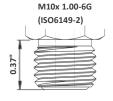


The KA configuration tool is used to specify a standard KA Sensor, other options are available.

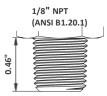
MECHANICAL DETAILS

Dimensions in inches









ELECTRICAL DETAILS

+Ve Supply	0V Supply	Signal
Red	Black	White

Sense Analyze Control

Sensors For:

- Temperat<mark>ure</mark>
- Acceleration
- Pressure
- Position
- Torque
- Speed
- Angle
- Force

Services For:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact Us

KA Sensors

Division of

PMC Engineering LLC

11 Old Sugar Hollow Rd

Danbury, CT 06810

USA

Tel: 203-792-8686 Fax: 203-743-2051

sales@pmcl.com www.kasensors.com

ENGINEERING LED | CONFIDENTIAL | EXPERIENCED | RESPONSIVE | DYNAMIC | FRIENDLY

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