

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 $<\pm 0.25\%$ 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	

Sensors For <u>Motors</u>port

Features

- High Fati<mark>gue Life</mark>
- High Accuracy
- 1 to 10 Bar Range
- Rugged Design
- Amplified Output
- ±0.08% Accuracy

Applications

- Coolant
- Brakes
- Water
- •/ Boost
- •/ Fuel
- Oil

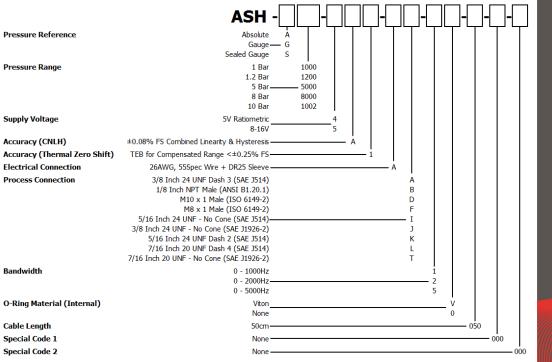
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ASH LOW 10.18

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

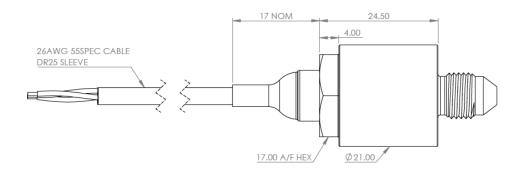
PRESSURE | TEMPERATURE | FORCE | TORQUE | POSITION | SPEED | ACCELERATION | GYRO

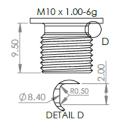
PART NUMBER CONFIGURATOR

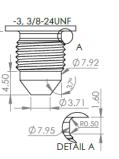


The KA configuration tool is used to specify a standard KA Sensor, other options are available.

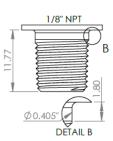
MECHANICAL DETAILS







12.20



CONNECTION DETAILS

+Ve Supply	OV Supply	Signal
Red	Black	White

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

Sense Analyse Control

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact us

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