

ASH SERIES HIGH PERFORMANCE PRESSURE TRANSDUCER



Sense
Analyse
Control

The ASH Series of High Performance Pressure Transducers have been designed for 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, or 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. Continuous operation up to 150°C allows for installations in hot zones. With a modular construction and programmable amplifier, this provides a fast delivery time for standard and custom configurations.

Pressure ranges are available between 1.2 to 400 Bar in either Absolute or Sealed Gauge reference. Industry standard 3-wire electrical connections for the Pressure signal allow configuration with most common ECU's and data logging systems. The ASH Series is race proven in many formulae around the world, offering a cost effective solution for professional engineers.

TECHNICAL SPECIFICATIONS

Pressure Reference	Absolute or Sealed Gauge	
Standard Pressure Ranges (Bar)	Low Range: 1.2, 4 & 10 High Range: 50, 100, 200 & 400	
Proof Pressure (Over range)	300% of Range / 150% of Range	
Burst Pressure	>1000% of Range / >300% of Range	
Accuracy	±0.08% FS Combined Linearity & Hysteresis (CNLH) ±0.2% FS Combined Linearity & Hysteresis (CNLH)	
Thermal Accuracy	<±0.25% FS TEB within Compensated Range Zero ±0.01% FS/°C (Sensitivity ±0.01% of Reading /°C)	
Output	0.5V to 4.5V (±0.25%)	
Supply	5V (±0.5V) Ratiometric or 8-16V d.c.	
Operating Temperature Range	-40°C to +150°C	
Compensated Temperature Range	0°C to +125°C	
Bandwidth	0-1000Hz, 2000Hz or 5000Hz (Select at time of Order)	
Construction	Fully Welded Stainless Steel (with a Viton internal O-ring)	
Electrical Connection	100cm 26AWG, 55 Spec Wire + DR25 Sleeve	
Process Connection (Thread Size)	Please see Part Number Configurator	
Protection Class	IP67. Dust tight & water immersion to 1m for 30mins	
EMC Protection & Vibration	EN E50082-1 and up to 5KHz Sine at 100g	
Weight	54g (Including Cable)	

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

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

Features

- High Fatigue Life
- High Accuracy
- 1.2 to 400 Bar Range
- Rugged Design
- Amplified Output

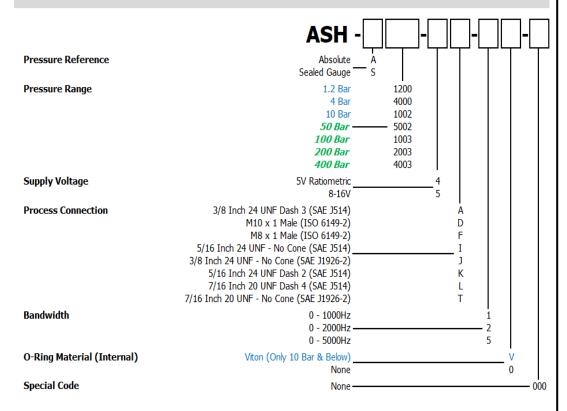
Applications

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

bf1systems.com sales@kasensors.com

> ASH KA010P-DS (rev1)

PART NUMBER CONFIGURATOR

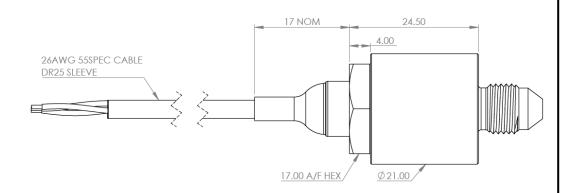


Sense
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Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

MECHANICAL DETAILS



CONNECTION DETAILS

+Ve Supply	OV Supply	Signal
Red	Black	White

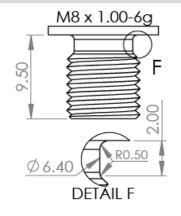
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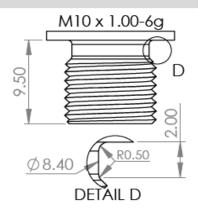
sales@kasensors.com

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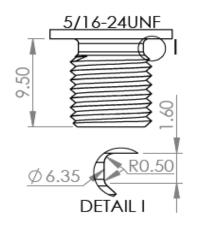
ENGINEERING LED | CONFIDENTIAL | EXPERIENCED | RESPONSIVE | DYNAMIC | FRIENDLY

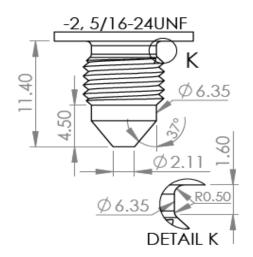
PROCESS CONNECTIONS





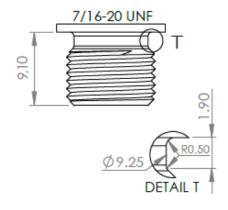
Sense Analyse Control

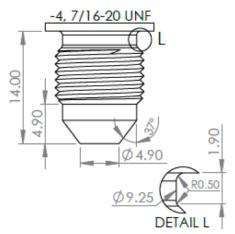




Services for:

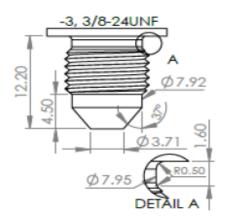
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- Controls
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Contact us

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