



ASM SERIES MINIATURE HIGH TEMPERATURE PRESSURE TRANSDUCER (LOW RANGE)

The ASM 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 also be installed directly onto vehicles, as part of a test stand or dyno.

Offering a high level of reliability and endurance the ASM is protected against the high vibration, shock and high temperatures found in motorsport. With a modular construction and programmable amplifier, this provides a fast delivery time for standard and custom configurations.

Pressure ranges are available between 1 to 35 Bar in either Absolute or Sealed Gauge reference. Industry standard 3-wire electrical connections allow configuration with most common ECU's and data logging systems.

The ASM Series are race proven in many formula around the world.

TECHNICAL SPECIFICATIONS

Pressure Reference	Absolute and Sealed Gauge
Standard Pressure Ranges (Bar)	1, 2, 5, 10, 15, 20, 35
Proof Pressure (Overrange)	300% of Range
Burst Pressure	>1000% of Range
Accuracy	±0.08% FS Combined Linearity & Hysteresis (CNLH)
Thermal Accuracy (Total Error Band)	<±0.25% FS TEB within Compensated Range
Output	0.5V to 4.5V (±0.5%)
Supply	5V (±0.5V) Ratiometric or 8-16Vdc (<20mA)
Operating Temperature Range	-20°C to +150°C
Compensated Temperature Range	0°C to +125°C
Bandwidth	0-1000Hz, 5000Hz (Selectable at time of Order)
Construction	Stainless Steel
Electrical Connection	26AWG, 55 Spec Wire + DR25 Sleeve
Process Connection (Thread Size)	Please see Part Number Configurator
Protection Class	IP67
EMC Protection & Vibration	EN E50082-1 and Mil-Std-810C, Curve L, 20G
Weight	28g (Including Cable)
Options	Cable Spec, Connector Fitted, Labelling & Thread Size

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

Sensors For Motorsport

Features

- High Temperature
- Miniature Size
- 1 to 35 Bar Range
- Rugged Construction
- Amplified Output
- ±0.08% Accuracy

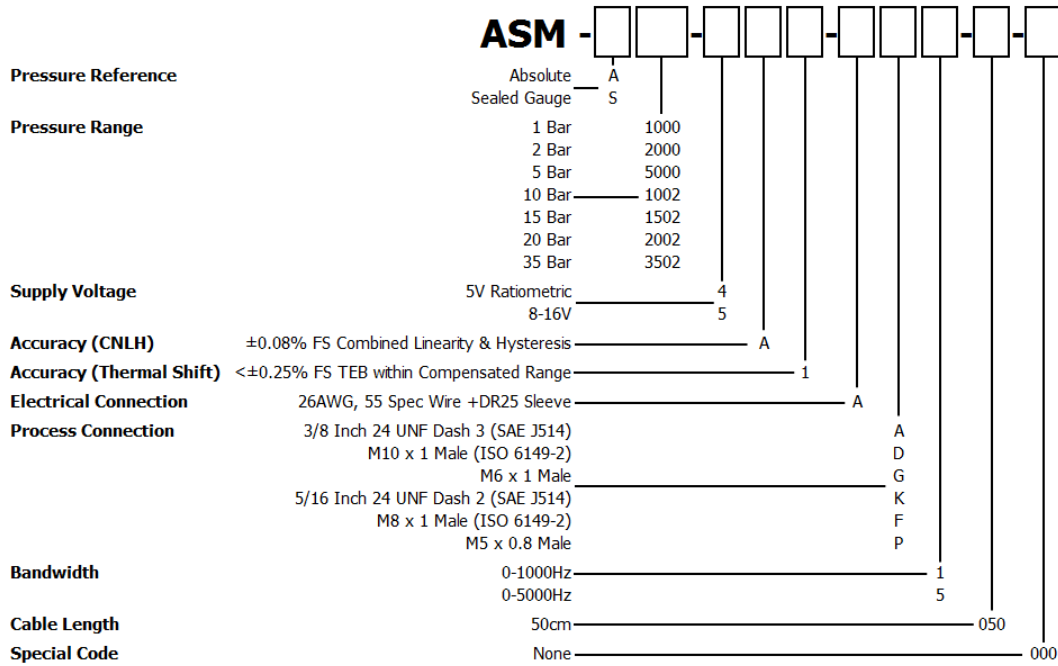
Applications

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

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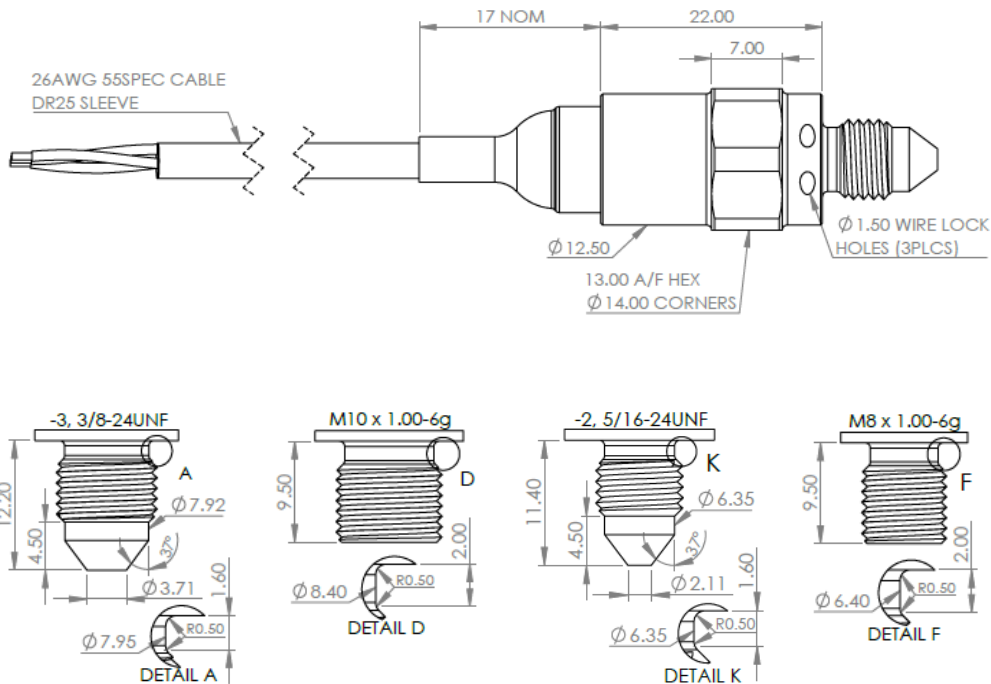
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PART NUMBER CONFIGURATOR



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

MECHANICAL DETAILS



CONNECTION DETAILS

+Ve Supply	0V Supply	Signal
Red	Black	White

Sense
Analyse
Control

Services for:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact us

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