



## ASM SERIES MINIATURE HIGH TEMPERATURE PRESSURE TRANSDUCER - UP TO 6000 PSI

The ASM Series of high performance pressure transducers have been designed for high temperature installations for a wide range of test and measurement applications where high precision reliable data is required. These transducers can be installed directly onto vehicles or as part of a test stand.

Offering a high level of reliability and endurance the ASM is protected against the high vibration, shock and high temperatures found in harsh environments. 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 between >500 - 6000 psi in either Absolute , Gauge, or Sealed Gauge reference. For lower ranges see our ASM Low Range datasheet.

### TECHNICAL SPECIFICATIONS

<b>Pressure Reference</b>	Absolute, Gauge and Sealed Gauge
<b>Standard Pressure Ranges (psi)</b>	500, 750, 1500, 3000, and 6000 <i>Any range &gt;500 psi can be specified</i> <i>For lower ranges see our ASM Low Range datasheet</i>
<b>Proof Pressure (overload)</b>	150% of range
<b>Burst Pressure</b>	>300% of range
<b>Accuracy</b>	±0.2% FS Combined Linearity & Hysteresis (CNLH)
<b>Thermal Effects</b>	Zero ±0.005% FS/°F (Sensitivity ±0.05% of Reading /°F)
<b>Output</b>	0.5V to 4.5V (±0.5%)
<b>Power Supply</b>	5V (±0.5V) Ratiometric or 8-16 Vdc (<20mA)
<b>Operating Temperature Range</b>	-5°F to 300°F (-20°C to +150°C)
<b>Compensated Temperature Range</b>	32°F to 250°F (0°C to +125°C)
<b>Bandwidth</b>	0-1000Hz, 5000Hz (Selectable at time of Order)
<b>Construction</b>	Stainless Steel
<b>Electrical Connection</b>	20" 26AWG, 55spec Wire + DR25 Sleeve
<b>Process Connection (Thread Size)</b>	Please see Part Number Configurator - page 2
<b>Protection Class</b>	IP67
<b>EMC Protection &amp; Vibration</b>	EN E50082-1 and Mil-Std-810C, Curve L, 20G
<b>Weight</b>	<1oz (Including Cable)
<b>Options</b>	Cable Spec, Connector Fitted, Thread Size & Labelling

## Precision Sensors

## Test Measurement OEM

### Features

- 300°F Continuous
- >500 to 6000 psi
- Amplified Output
- Miniature Size
- ±0.2% Accuracy

### Applications

- Engine Test
  - Automotive
  - Aviation
  - Dynamometers
- Satellite Launch Vehicles
  - Propellants
  - Chamber Pressure
  - Fuel Level
- Flight Test
  - Hydraulic Systems
  - Flight Control Systems
  - HVAC Systems
- Drone/UAV/AUV/ROV
  - Hydraulic Systems
  - Avionics
- Manufacturing
- Motorsport

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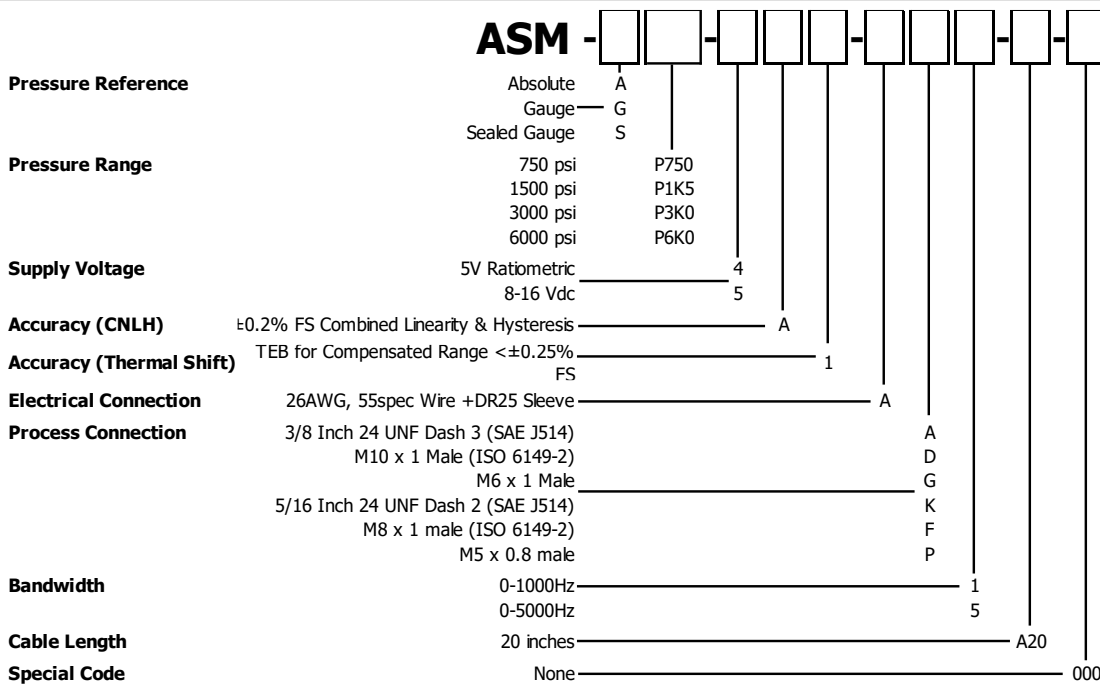
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Represented by:



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

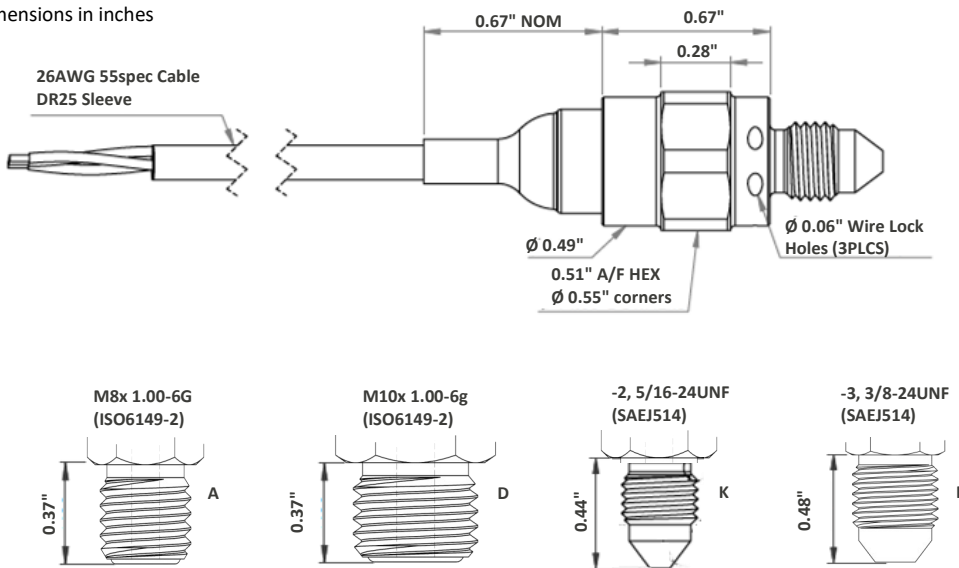
# PART NUMBER CONFIGURATOR



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

Precision  
Sensors  
Test  
Measurement  
OEM

Sensors For:

- Temperature
- Acceleration
- Pressure
- Position
- Torque
- Speed
- Angle
- Force

Services For:

- OEM
- On-Time Delivery
- Custom Engineering
- Application Engineering

Contact Us

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