



ASM SERIES MINIATURE HIGH TEMPERATURE PRESSURE TRANSDUCER - UP TO 500 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 0-15 and 0-500 psi in either Absolute, Gauge or Sealed Gauge reference. For higher ranges see our ASM High Range datasheet.

TECHNICAL SPECIFICATIONS

Pressure Reference	Absolute, Gauge and Sealed Gauge
Standard Pressure Ranges (psi)	15, 30, 75, 150, 200, 300, 500 <i>For ranges above 500 psi see ASM High Range datasheet</i>
Proof Pressure (overload)	300% of Range
Burst Pressure	>1000% of Range
Accuracy	±0.08% FS Combined Linearity & Hysteresis (CNLH)
Thermal Effects	TEB for Compensated Range <±0.25%
Output	0.5V to 4.5V (±0.5%)
Power Supply	5V (±0.5V) Ratiometric or 8-16 Vdc (<20mA)
Operating Temperature Range	-5°F to 300°F (-20°C to +150°C)
Compensated Temperature Range	32°F to 250°F (0°C to +125°C)
Bandwidth	0-1000Hz, 5000Hz (Selectable at time of Order)
Construction	Stainless Steel
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 E50082-1 and Mil-Std-810C, Curve L, 20G
Weight	<1oz (Including Cable)
Options	Cable Spec, Connector Fitted, Thread Size & Labelling

Precision
Sensors

Test
Measurement
OEM

Features

- 300°F Continuous
- 0-15 to 0- 500 psi
- Amplified Output
- Miniature Size

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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