

Pressure Transducer Series AS



- **Miniature size: 0.825" diameter**
- **Ranges from 0-15 to 4500psi**
- **High accuracy: $\pm 0.25\%$**
- **0.5 to 4.5V output**
- **5V or 8-16Vdc supply**
- **High temperature: -5 to 275°F**
- **Rugged construction**

KA Sensors is a dynamic and flexible company offering over 30 years of sensor design and instrumentation experience to the demanding motor sports industry. Our founding principles are to provide a complete solution to our customers, with service and confidentiality being paramount. Our understanding of the complex requirements of racing make us the ideal Company to assist in your testing and gain those valuable thousandths of a second each lap.

The AS series is a high performance rugged but miniature pressure transducer designed specifically for use in harsh motor sport environments. The modular construction and programmable amplifier have been designed to provide quick deliveries over a wide range of configurations.

We offer flexibility to customize the AS series to meet the requirements of specific applications.

Typical applications include: **Fuel - Oil - Air - Coolant - Brakes - Water - more.....**

Please contact our expert technical staff to discuss your application

(See back page for specifications)

Specifications

■ Range

Any range can be specified from 0-15 to 0-4500 psi sealed gauge or absolute.

Other ranges and units can be specified

■ Accuracy

±0.25% FS

Combined linearity, hysteresis and repeatability

■ Pressure Rating

Over-range (proof pressure): 1.5X FS for all ranges

Burst pressure: >3X FS for all ranges

■ Temperature Rating

Operating: -5 to 275°F (-20 to 135°C)

Compensated: 30 to 175°F (0 to 80°C)

■ Temperature Effects

TC Zero: ±0.009% FS /°F

TC Span: ±0.009% FS /°F

■ Electrical

Supply voltage: 5V ratiometric or 8-16Vdc

Output: 0.5 to 4.5V

Others possible, please consult the factory

EMC protection: EN 50082-1

■ Construction

Stainless Steel, alumina, viton and FEP

Contact the factory for other materials

■ Mechanical

Vibration: Mil-Std-810C, Curve L, 20g.

■ Mounting Connection

3/8 - 24UNF(-3), 1/8 UNF, M8, M10x, or G1/4.

Others available, please contact the factory

■ Electrical Connection Options

20" standard length, 4 conductor Raychem cable with DR25 Sleeving.

Longer lengths cable available. Also please contact the factory for integral connector.

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

Other Products

■ KA/PMC offers a wide range of products for the Motor Sport Industry

■ Pressure

ASL and ASM for different configurations and features. ASMT for combination pressure and temperature.

■ Other Sensors

Comprehensive range of sensors are offered for the following measurements:

Load – Force – Torque – Temperature – Acceleration

Displacement - Speed

■ Other capabilities

The following support capabilities are available:

Signal Conditioning – Controls – Logging – more....

Please contact the factory for additional information

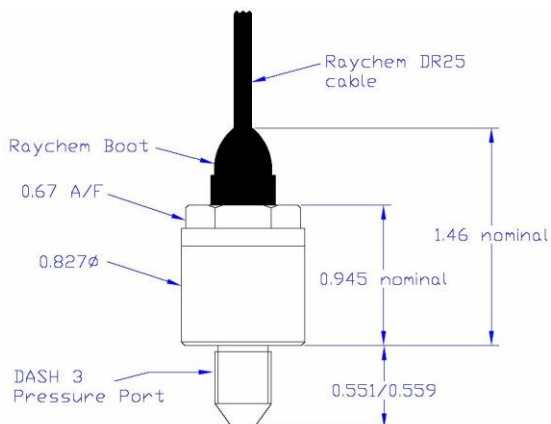
How to Order

■ Please provide the following:

Model No:	AS
Pressure Range:	Must specify
Mounting connection:	3/8-24UNF(-3) is standard
Cable Length:	20" is standard
Special Requirements:	Refer to factory

Standard Configuration

All dimensions nominal in inches



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