



Sense  
Measure  
Control

## Solutions for Motor-Sport

### *Pressure Transducer Series ASLH*



- High temperature continuous to 300°F
- Ranges from 120 to 3000psi
- $\pm 0.2\%$  static accuracy
- 0.5 to 4.5V output
- 5V or 8-16Vdc supply
- -5 to 220°F operation
- Low Cost

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.

The ASLH series is an affordable range of high accuracy miniature pressure transducers, designed specifically for use in harsh motor sport environments and capable of continuous operation up to 300°F. 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 ASLH 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)

HEAD OFFICE



**Process Measurement & Controls, Inc.**

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Represented By:

## Specifications

### ■ Range

Standard Ranges: 120, 150, 300, 1500, 3000psi sg  
*Other ranges and units can be specified*

### ■ Accuracy

±0.2% 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 300°F (-20 to 150°C)  
Compensated: 30 to 300°F (0 to 150°C)

### ■ Temperature Effects

TC Zero: ±0.006% FS /°F  
TC Span: ±0.006% Reading /°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, Viton and FEP  
*Contact the factory for other materials*

### ■ Mechanical

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

### ■ Mounting Connection

3/8-24UNF(-3) or M10x1.  
*Others available, please contact the factory*

### ■ Electrical Connection Options

20" standard length, 4 conductor 26AWG Raychem 55  
spec cable plus DR25 sleeve  
*Longer lengths available*

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

AS, ASL and ASM for different configurations, features.  
ASMT, ASLT 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*

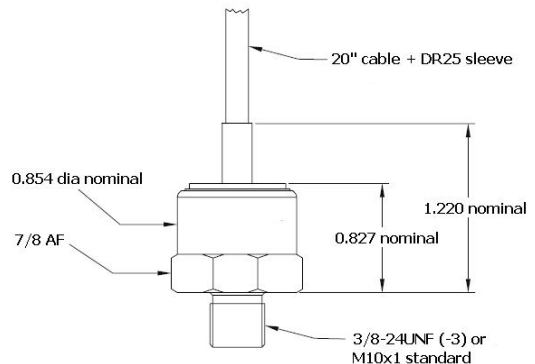
## How to Order

### ■ Please provide the following:

Model No: ASLH  
Pressure Range: Standard or other  
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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