



Sense
Measure
Control

Solutions for Motor-Sport

Pressure Transducer Series ASLHT



- **Combination Pressure/Temperature**
- **Ranges from 120 to 3000psi**
- **0.2% static accuracy**
- **0.5 to 4.5V output**
- **5V or 8-16Vdc supply**
- **PT1000 Temperature Sensor**
- **Continuous Operation at 300 F**

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 ASLHT series features both pressure and temperature sensors in the single transducer. It is a 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 ASLHT 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.

11 Old Sugar Hollow Road
Danbury, CT 06810 U.S.A.
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www.pmc1.com

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
Pressure Output: 0.5 to 4.5V
Others possible, please consult the factory
Temperature: PT1000 platinum resistance sensor
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 flat end (-3) or M10x1.
Others available, please contact the factory

■ Electrical Connection Options

20" standard length, 5 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, 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....

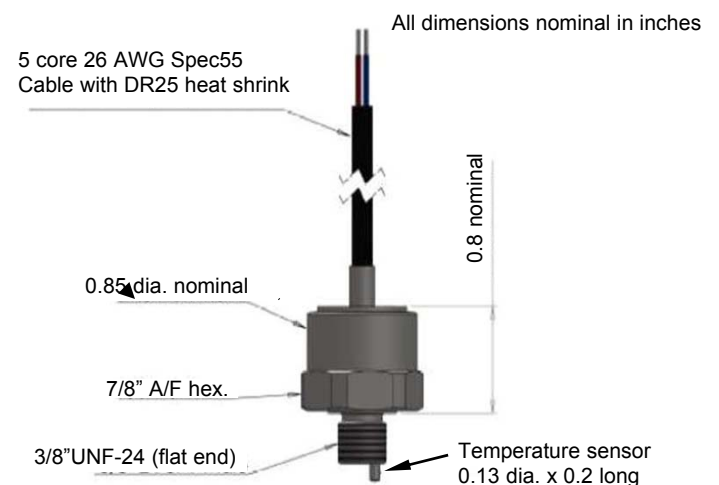
Please contact the factory for additional information

How to Order

■ Please provide the following:

Model No: ASLHT
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



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