ASLA Series
Lightweight Pressure Transducer

The ASLA Series of lightweight standard pressure transducers have been designed for air box or boost pressures in demanding motorsport and on-vehicle automotive applications.

These transducers are ideal for high precision data acquisition or control systems and can also be installed directly onto vehicles or as part of a test stand or dyno.

Offering a high level of reliability and endurance the ASLA is protected against the high vibration, shock and high temperatures found in motorsport. With a modular construction and programmable amplifier, this provides a fast delivery time for standard and custom configurations.

Pressure ranges are available between 0-15 psi and 0-150 psi in either Absolute, Gauge or Sealed Gauge reference. Industry standard 3-wire electrical connections allow configuration with most common ECU's and data logging systems.

The ASLA Series are race proven and can be found in many race formula around the world and offer a cost effective solution for professional engineers.

Technical Specifications

Pressure Reference	Absolute, Gauge and Sealed Gauge
Standard Pressure Ranges (psi)	15, 30, 60, 75 and 150 (Compound Ranges Available)
Proof Pressure (overload)	150% of range
Burst Pressure	>300% of range
Accuracy	±0.5% FS combined linearity & hysteresis (CNLH)
Thermal Effects	Zero ±0.02% FS/°F (Sensitivity ±0.02% of reading /°F)
Output	0.5V to 4.5V
Power Supply	5V (±0.5V) Ratiometric or 8-16Vdc
Operating Temperature Range	-5°F to 275°F (-20°C to +135°C)
Compensated Temperature Range	32°F to 250°F (0°C to +125°C)
Construction	Alumina, Black Anodized Aluminum, FEP and Viton
Electrical Connection	20", 26AWG FEP insulated shielded cable
Process Connection (Thread Size)	Please see Part Number Configurator - Page 2
Protection Class	IP67
EMC Protection & Vibration	EN 50082-1 and Mil-Std-810C, curve L, 20G
Weight	1oz (including cable)
Options	Cable Spec, Connector Fitted, Thread Size & Labelling

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

Sensors For Motorsport

Features

- Lightweight - 1oz
- 0-15 to 0-150 psi
- Amplified Output
- 5V or 8-16Vdc Supply
- ±0.5% Accuracy

Applications

- Aerodynamics
- Barometric
- Airbox
- Boost
- Fuel
- Oil

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www.kasensors.com
Represented by:

Part Number Configurator

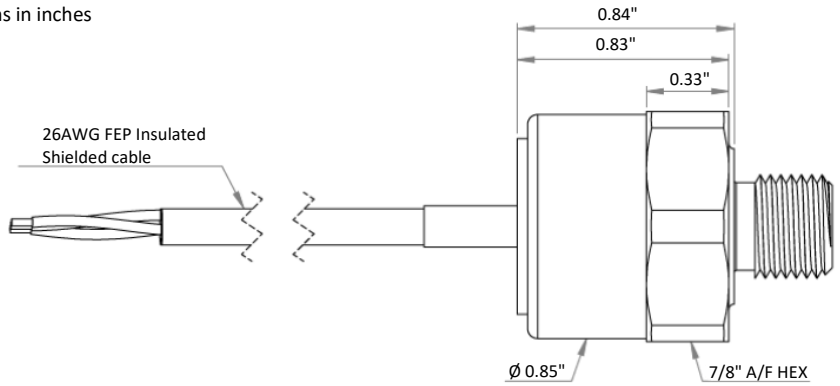
ASLA - ☐☐-☐☐☐-☐☐☐-☐-☐-☐

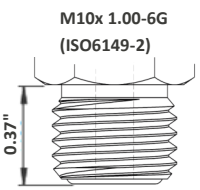
Pressure Reference	Absolute Gauge Sealed Gauge	A G S
Pressure Range	15 psi 30 psi 60 psi 75 psi 150 psi	P015 P030 P060 P075 P150
Supply Voltage	5V Ratiometric 8-16Vdc	4 5
Accuracy (CNLH)	±0.5% FS Combined Linearity & Hysteresis	A
Accuracy (Thermal Shift)	Zero ±0.02% FS/°F (Sensitivity ±0.02% of Reading /°F)	2
Electrical Connection	26AWG, FEP Insulated Shielded Cable	A
Process Connection	3/8 Inch 24 UNF Dash 3 (SAE J514) M10 x 1 Male (ISO 6149-2)	A D
O-Ring Material (Internal)	EPDM Viton	E V
Cable Length	20 inches	A20
Special Code 1	None	000
Special Code 2	None	000

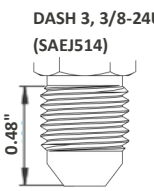
The KA configuration tool is used to specify a standard KA Sensor, other options are available.

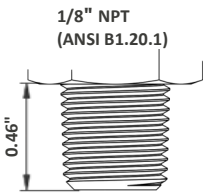
Mechanical Details

Dimensions in inches









Electrical Details

+Ve Supply	0V Supply	Signal
Red	Blue	Yellow

Sense
Analyze
Control

Sensors For:

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

Services For:

- Data Logging
- Telemetry
- Controls
- Wiring

Contact Us

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