The ASMP standard series of high performance pressure transducers have been designed for the detection of fluid and air pressures in demanding motorsport and on-vehicle automotive applications. These are ideal for high precision data acquisition or control systems.

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 - 3000 psi in either Absolute, Gauge or Sealed Gauge reference.

The ASMP Series are race proven and can be found in many race formula around the world.

For OEM applications we have many options available to customize these transducers.

**Technical Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Detail</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pressure Reference</td>
<td>Sealed gauge, absolute and gauge</td>
</tr>
<tr>
<td>Standard Pressure Ranges (psi)</td>
<td>15, 60, 75, 150, 300, 750, 1500 and 3000</td>
</tr>
<tr>
<td>Proof Pressure (overload)</td>
<td>150% of range</td>
</tr>
<tr>
<td>Burst Pressure</td>
<td>&gt;300% of range</td>
</tr>
<tr>
<td>Accuracy</td>
<td>±0.5% FS combined linearity &amp; hysteresis (CNLH)</td>
</tr>
<tr>
<td>Thermal Effects</td>
<td>Zero ±0.02% FS/°F (Sensitivity ±0.02% of reading /°F)</td>
</tr>
<tr>
<td>Output</td>
<td>0.5V to 4.5V</td>
</tr>
<tr>
<td>Power Supply</td>
<td>5V (±0.5V) Ratiometric or 8-16Vdc</td>
</tr>
<tr>
<td>Operating Temperature Range</td>
<td>-5°F to 275°F (-20°C to +135°C)</td>
</tr>
<tr>
<td>Compensated Temperature Range</td>
<td>32°F to 250°F (0°C to +125°C)</td>
</tr>
<tr>
<td>Construction</td>
<td>Alumina, EPDM, Stainless Steel and Viton</td>
</tr>
<tr>
<td>Electrical Connection</td>
<td>Metri-Pack (Packard) 3-Pin 150 Series Connector</td>
</tr>
<tr>
<td>Process Connection (Thread Size)</td>
<td>Please see Part Number Configurator - page 2</td>
</tr>
<tr>
<td>Protection Class</td>
<td>IP67</td>
</tr>
<tr>
<td>EMC Protection &amp; Vibration</td>
<td>EN 50082-1 and Mil-Std-810C, curve L, 20G</td>
</tr>
<tr>
<td>Weight</td>
<td>1.5oz</td>
</tr>
<tr>
<td>Options</td>
<td>Mating Half Connector, Thread Size and Labelling</td>
</tr>
</tbody>
</table>

**Applications**

- Coolant
- Brakes
- Water
- Boost
- Fuel
- Oil

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PMC/KA Sensors adopts a continuous development program which sometimes necessitates specification changes without notice.
ASMP configuration tool is used to specify a standard KA Sensor, other options are available.

### Mechanical Details

Dimensions in inches:

- Metri-Pack 3 PIN 150 Series Connector
- 7/8” A/F HEX

### Electrical Details

- M10x 1.00-6G (ISO6149-2)
- -3, 3/8-24UNF (SAE J514)
- 1/8”-NPT (ANSI B1.20.1)

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Sensors For:
- Temperature
- Acceleration
- Pressure
- Position
- Torque
- Speed
- Angle
- Force

Services For:
- Data Logging
- Telemetry
- Controls
- Wiring

Contact Us

KA Sensors
Division of
PMC Engineering LLC
11 Old Sugar Hollow Rd
Danbury, CT 06810
USA
Tel: 203-792-8686
Fax: 203-743-2051

sales@pmc1.com