



# MINIATURE HIGH PERFORMANCE PRESSURE SENSOR 4-20mA - ASUH SERIES - UP TO 500 PSI

The ASUH Series of high performance sub-miniature pressure transducers have been designed for demanding installations where space is extremely limited and high vibration and temperature are anticipated.

This new design utilizes miniaturized hybrid components which allow savings in size and weight. The transducer has an enhanced performance at elevated temperature and is optimized for extreme installations such as on-engine or transmissions.

The modular construction and programmable amplifier provide a fast delivery time for standard and custom configurations. Pressure ranges are available between 150 to 6000 psi. For OEM applications we have many options available to customize these transducers.

## TECHNICAL SPECIFICATIONS

<b>Pressure Reference</b>	Absolute, Gauge and Sealed gauge
<b>Standard Pressure Ranges (psi)</b>	15, 30, 75, 100, 150, 300, 500 <i>For ranges above 500 psi see ASUH High Range datasheet</i>
<b>Proof Pressure (overload)</b>	200% of range
<b>Burst Pressure</b>	>500% of range
<b>Accuracy</b>	±0.08% FS Combined Linearity & Hysteresis (CNLH)
<b>Thermal Effects</b>	±0.25%FS TEB within Compensated Range
<b>Output</b>	4-20mA (±0.5%)
<b>Power Supply</b>	9-40Vdc
<b>Operating Temperature Range</b>	-40°F to 300°F (-40°C to +150°C)
<b>Compensated Temperature Range</b>	Standard temperature ranges-See Configurator on back page <i>Any range can be selected over the operating temperature. But for non-standard ranges please consult the factory.</i>
<b>Bandwidth</b>	1000Hz standard <i>Other frequencies available - please consult the factory.</i>
<b>Construction</b>	Stainless steel
<b>Electrical Connection</b>	20in 26AWG, 55spec wire + DR25 sleeve or Hermetic Connector - 8STA1-Y02-05PN170
<b>Process Connection</b>	3/8-24UNF (-3), 5/16-24UNF (-2), M6 x 1, M8 x 1 and M10 x 1
<b>Protection Class</b>	IP67 (Cable Option) Hermetic Seal (Connector Option)
<b>EMC Protection</b>	EN 50082-1
<b>Vibration</b>	Mil-Std-810C, curve L, 20G
<b>Weight</b>	0.95oz - Including cable 0.7oz - Connector option
<b>Options</b>	Cable length, connector fitted, thread size and labelling

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

## Precision Sensors Test Measurement OEM

### Features

- Lightweight
- 0-15 to 0-500 psi
- ±0.08% Accuracy
- 4-20mA
- -40 to +300°F

### Applications

- Engine Test
  - Automotive
  - Aviation
  - Dynamometers
- Satellite Launch Vehicles
  - Propellants
  - Chamber Pressure
  - Fuel Level
- Flight Test
  - Hydraulic Systems
  - Flight Control Systems
  - HVAC Systems
- Drone/UAV/AUV/ROV
  - Hydraulic Systems
  - Avionics
- Manufacturing
- Motorsport

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