



# ASMP SERIES STANDARD METRI-PACK PRESSURE TRANSDUCER

The ASMP standard series of high performance pressure transducers have been designed for the detection of fluid and air pressures in demanding motorsport and automotive applications.

The modular construction and programmable amplifier provide a fast delivery time for standard and custom configurations.

Pressure ranges are available between 2 bar to 200 bar in either sealed gauge or absolute reference. Industry standard 3-wire electrical connections allow configuration with most common ECU's and data logging systems.

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

**Sense  
Measure  
Control**

## Features

- *Built-in Connector*
- *Compact Design*
- *2 to 200 Bar Range*
- *Rugged Construction*
- *±0.5% Accuracy*

## TECHNICAL SPECIFICATIONS

<b>Pressure Datum</b>	Sealed gauge and absolute
<b>Standard Pressure Ranges (Bar)</b>	2, 4, 5, 10, 20, 50, 100 and 200
<b>Safe Over Range</b>	150% of range
<b>Burst Pressure</b>	>300% of range
<b>Accuracy</b>	±0.5% FS combined linearity & hysteresis (CNLH)
<b>Thermal Effects</b>	Zero ±0.04% FS/°C (Sensitivity ±0.04% of reading /°C)
<b>Output</b>	0.5V to 4.5V
<b>Supply</b>	5V (±0.5V) ratiometric or 8-16Vdc
<b>Operating Temperature Range</b>	-20°C to +135°C
<b>Compensated Temperature Range</b>	0°C to +125°C
<b>Construction</b>	Stainless steel, alumina, Viton & EPDM
<b>Electrical Connection</b>	Metri-Pack (Packard) 3 pin 150 series Connector
<b>Process Connection (Thread Size)</b>	3/8" 24 UNF (-3), 1/8" NPT male and M10 x 1
<b>Protection Class</b>	IP67
<b>EMC Protection &amp; Vibration</b>	EN 50082-1 and Mil-Std-810C, curve L, 20G
<b>Weight</b>	68g
<b>Options</b>	Cable assembly, thread size and labelling

## Applications

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

ASMP S 4000 4 A 2 A B E 000

Pressure Datum	Absolute	A	
	Sealed Gauge	S	
Pressure Range	2 bar	2000	
	4 bar	4000	
	5 bar	5000	
	10 bar	1002	
	20 bar	2002	
	50 bar	5002	
	100 bar	1003	
	200 bar	2003	
Supply Voltage	5V ratiometric	4	
	8-16V	5	
Accuracy (CNLH)	±0.5% of Full Scale	A	
Accuracy (Thermal Zero Shift)	<±0.04% /Span /°C	2	
Electrical Connection	Metri-Pack 150 Series Conn.	A	
Process Connection	3/8" 24 UNF Dash-3	A	
	1/8" NPT Male	B	
	M10 x 1 Male	D	
O-Ring Material	Viton	V	
	EPDM	E	
Special Codes	None		000

# Sense Measure Control

## Sensors for

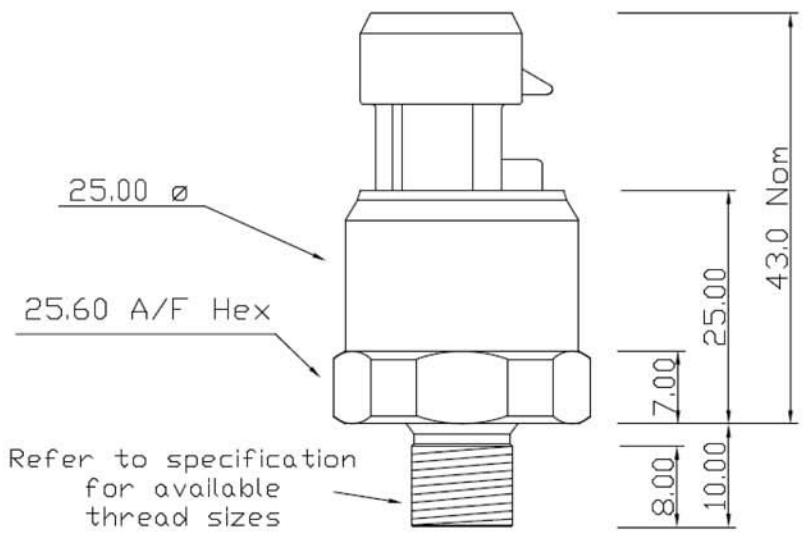
- Temperature
- Acceleration
- Pressure
- Position
- Torque
- Speed
- Angle
- Force

## Services for

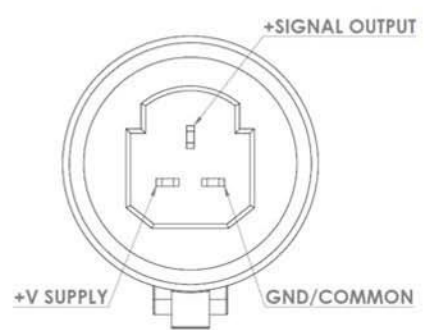
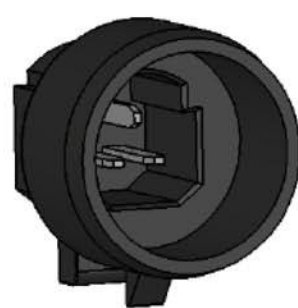
- Data Logging
- Telemetry
- Controls
- Wiring
- Design

## MECHANICAL DETAILS

Dimensions in mm



## CONNECTION DETAILS



- Engineering led
- Confidential
- Experienced
- Responsive
- Dynamic
- Friendly