ASMP Series Standard Metri-Pack Pressure Transducer

The ASMP Series of Standard Pressure Transducers have been designed for the detection of fluid and air pressures in demanding motorsport and automotive applications; ideal for high precision data acquisition or control systems. These transducers can be installed directly onto vehicles, or as part of a test stand or dyno.

Offering a high level of reliability and endurance, the ASMP Series is protected against the high vibration, shock and high temperatures found in motorsport. With a modular construction and a programmable amplifier, this provides a large stock available of standard parts for fast delivery.

Pressure ranges are available between 2 to 200 Bar in either Absolute or Sealed Gauge reference, with an optional pressure port snubber to assist with filtering pressure spikes.

Industry standard Metri-Pack electrical connections allow configuration with most common ECU's and data logging systems. The ASMP Series is race proven in many formulae around the world, offering a cost effective solution for professional engineers.

Technical Specifications

Pressure Reference	Absolute or Sealed Gauge
Standard Pressure Ranges (Bar)	2, 10, 35, 100 & 200
Proof Pressure (Over Range)	150% of Range
Burst Pressure	>300% of Range
Accuracy	±0.5% FS Combined Linearity & Hysteresis (CNLH)
Thermal Accuracy	Zero ±0.04% FS/°C (Sensitivity ±0.04% of Reading /°C)
Output	0.5V to 4.5V (±0.5%)
Supply	5V - 40V d.c. (Less than 20mA consumption)
Operating Temperature Range	-20°C to +135°C
Compensated Temperature Range	0°C to +125°C
Construction	Stainless Steel with either EPDM or Viton internal O-rings
Electrical Connection	Metri-Pack (Packard) 3-Pin 150 Series Connector
Process Connection (Thread Sizes)	Please see Part Number Configurator
Protection Class	IP67. Dust tight & water immersion to 1m for 30mins
EMC Protection & Viberation	EN E50082-1 and Mil-Std-810C, Curve L, 20G
Weight	42g

bf1systems adopts a continuous development program which sometimes necessitates specification changes without notice.

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The Competitve Advantage

Features

- Barbed Hose Fiting
- 2 or 5 Bar Range
- Rugged Construction
- Lightweight
- Amplified Output
- ±0.5% Accuracy

Applications

- Low Pressure
- Barometric
- Boost
- MAP

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Part Number Configuration

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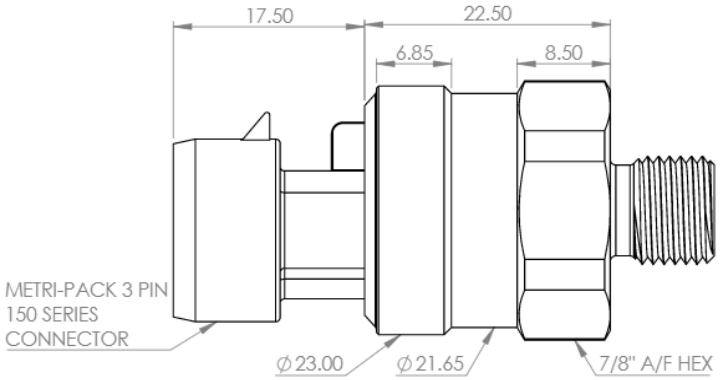
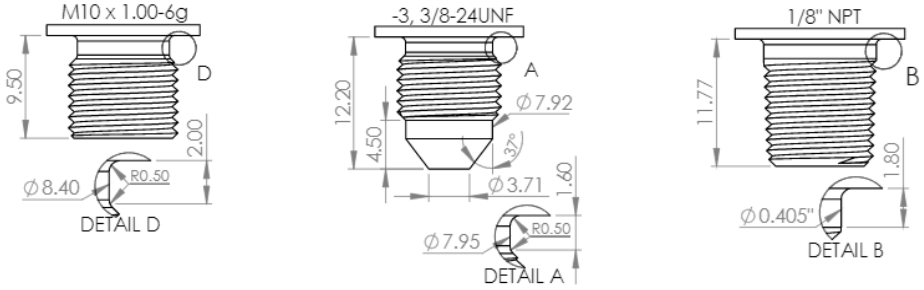
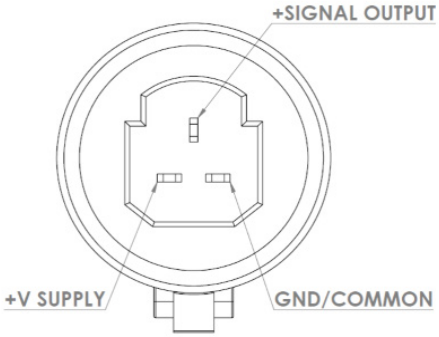
Pressure Reference	Absolute	A
	Sealed Gauge	S
Pressure Range	2 Bar	2000
	10 Bar	1002
	35 Bar	3502
	100 Bar	1003
	200 Bar	2003
Process Connection	3/8 Inch 24 UNF Dash 3 (SAE J514)	A
	1/8 Inch NPT Male (ANSI B1.20.1)	B
	M10 x 1 Male (ISO 6149-2)	D
O-Ring Material (Internal)	EPDM	E
	Viton	V
Special Code	None	000
	Snubber in Pressure Port	399

Mechanical Details





Connection Details



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