

FEATURES

- Differential pressures up to 300 PSI
- Line pressures up to 500 PSI
- Bi-directional pressure ranges available
- 316L SS diaphragm

APPROVALS / CERTIFICATIONS

- ✓ CE

COMMON APPLICATIONS

- Filtration
- Tank level measurement
- Cryogenic bulk tank level measurement



SPECIFICATIONS

Performance @ 25°C

Accuracy*	≤ ±0.25% BFSL ≤ ±0.5% BFSL (2 PSI & below)
Stability (1 Year)	≤ ±0.25% of FS
Pressure Cycles	4 million
Max Line Pressure**	500 PSI
Max Differential Pressure	300 PSI
Overpressure***	2X or 500 PSI, whichever is less, rated differential pressure
Burst Pressure***	3X rated differential pressure

*Accuracy includes non-linearity, hysteresis and non-repeatability

** Max line pressure is the highest common mode pressure that can be applied to the sensor without damage.

*** Overpressure and burst pressure are the maximum differential pressure that can be applied to the high or low side before damage to the sensor will occur.

Thermal

Operating Temperature	-40 to +105°C
Media Temperature	-40 to 125°C
Compensated Temperature	0 to +55°C
Storage Temperature	-40 to +125°C
TC Zero	≤ ±1% of FS ≤ ±2% of FS (2 PSI & below)
TC Span	≤ ±1% of FS ≤ ±2% of FS (2 PSI & below)

Environmental

EMI/RFI Protection	Yes
IP Rating*	IP65 minimum
Vibration	20g, 20 to 5000Hz
Shock	100g, 11msec, 1/2 sine

* IP rating is dependent on electrical termination selected. Contact factory for more information.

* IP rating applies when electrical connector is attached with the appropriate ingress protection.

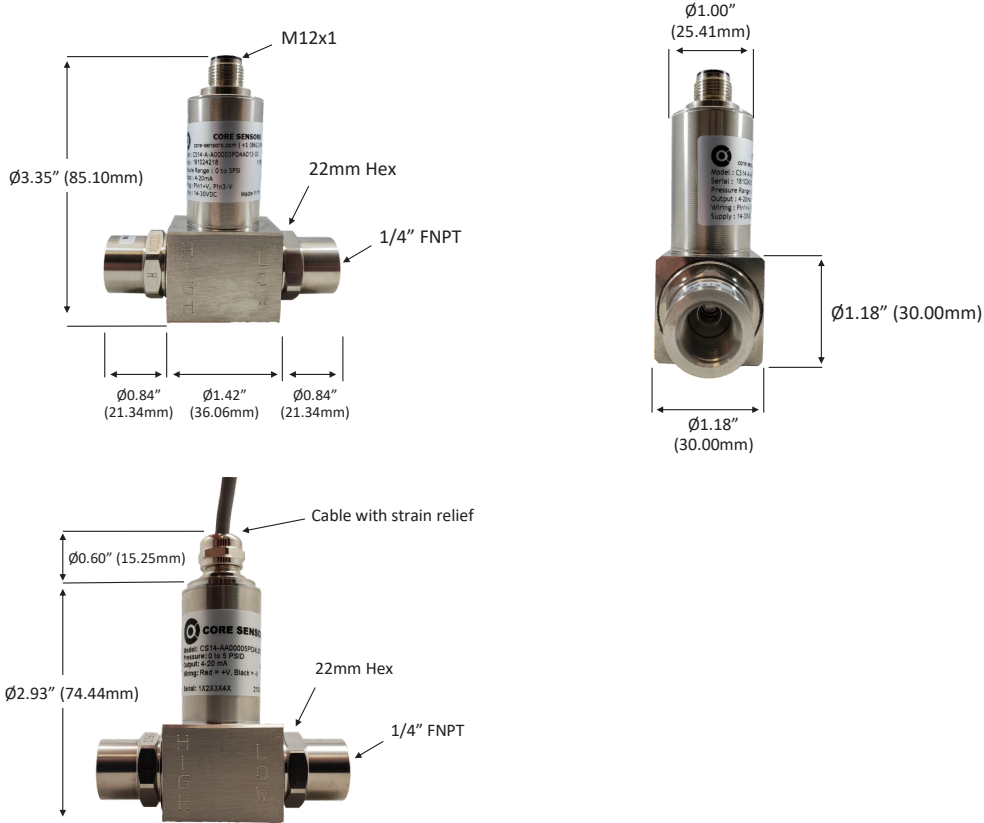
Electrical

	4-20mA	1-5V, 0-5V (3-wire)	0.5-4.5V ratiometric
Excitation	10-28VDC	10-28VDC	5VDC +/- 0.5V, regulated
Current Consumption	20mA, typical	<10mA	<10mA
Output Load	0-800 Ohms @ 10-28VDC	5K Ohms, min	5K Ohms, min
Frequency Response (min)	~250Hz	~1kHz	~1kHz
Zero Offset (of FS)	≤ ±0.5% typical ± 1% max	≤ ±0.5% typical ± 1% max	≤ ±0.5% typical ± 1% max
Span Tolerance (of FS)	≤ ±0.5% typical ± 1% max	≤ ±0.5% typical ± 1% max	≤ ±0.5% typical ± 1% max

For wiring information, visit core-sensors.com/wiring

DIMENSIONS

*Dimensions are for reference only



MODEL NUMBER CONFIGURATION

