

CS12 Submersible Pressure Transducer



FEATURES

- Pressures from 1 PSI up to 100 PSI
- Removable nose cone
- ETFE cable jacket
- 316L and 304 SS construction
- 4-20mA or voltage output
- Low power options available for remote telemetry applications!

COMMON APPLICATIONS

- Depth measurement
- Level monitoring
- Flood monitoring
- Ballast tanks



SPECIFICATIONS

Performance @ 25°C

Accuracy*	≤ ±0.25% BFSL ≤ ±0.5% BFSL (2 PSI & below)
Stability (1 Year)	≤ ±0.25% of FS
Pressure Cycles	50 million
Overpressure	2X minimum
Burst Pressure	5X or 500 PSI, whichever is less
Max Submersion	100 PSI

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

Thermal

Operating Temperature	-40 to +85°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	IP68
Vibration	10g, 20 to 2000Hz
Shock	100g, 11msec, 1/2 sine

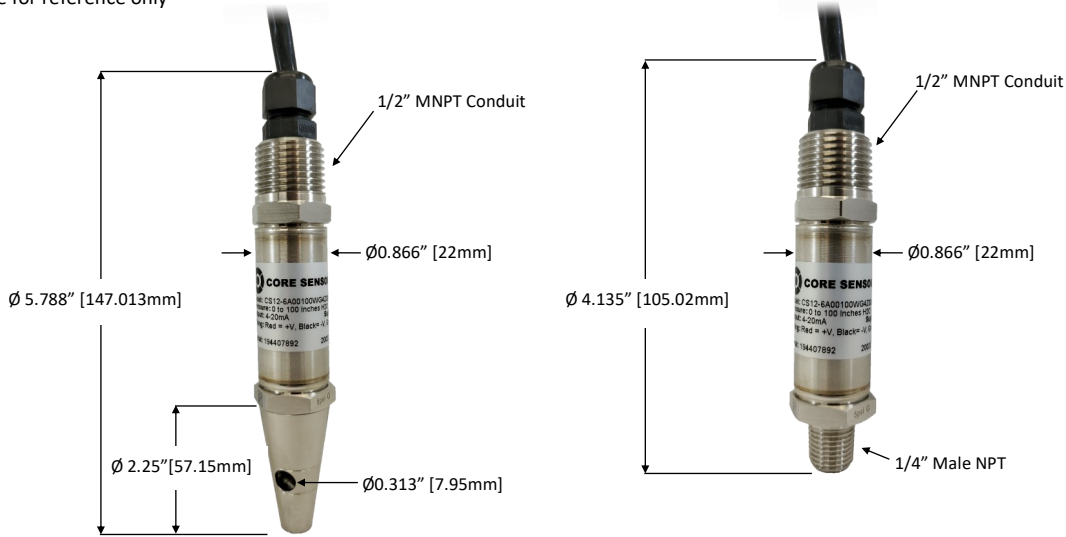
Electrical

	4-20mA	1-5V	0.5-4.5V ratiometric	0.5-2.5V non-ratiometric
Excitation	10-28VDC	10-28VDC	5VDC +/- 0.5V, regulated	3-5VDC, unregulated
Current Consumption	20mA, typical	<10mA	<10mA	≤3mA
Output Load	0-800 Ohms @ 10-28VDC	5K Ohms, min	5K Ohms, min	5K Ohms, min
Frequency Response (min)	~250Hz	~1kHz	~1kHz	~1kHz
Zero Offset (of FS)	≤ ±0.5% typical ± 1% max	≤ ±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	≤ ±0.5% typical ± 1% max

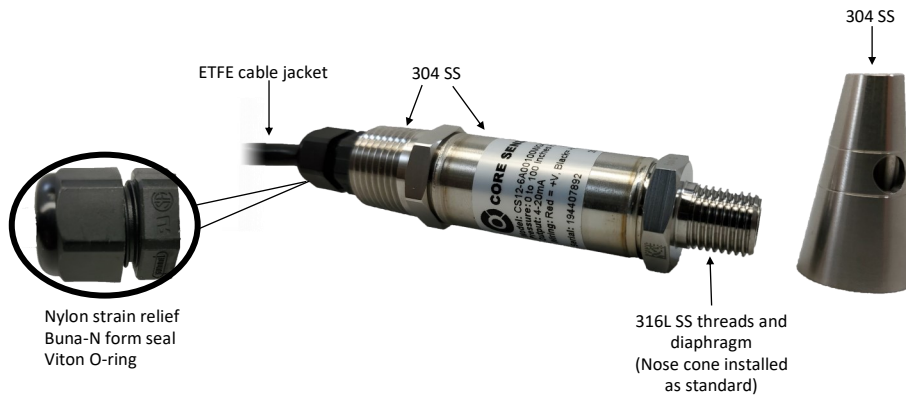
For wiring information, visit core-sensors.com/wiring

DIMENSIONS

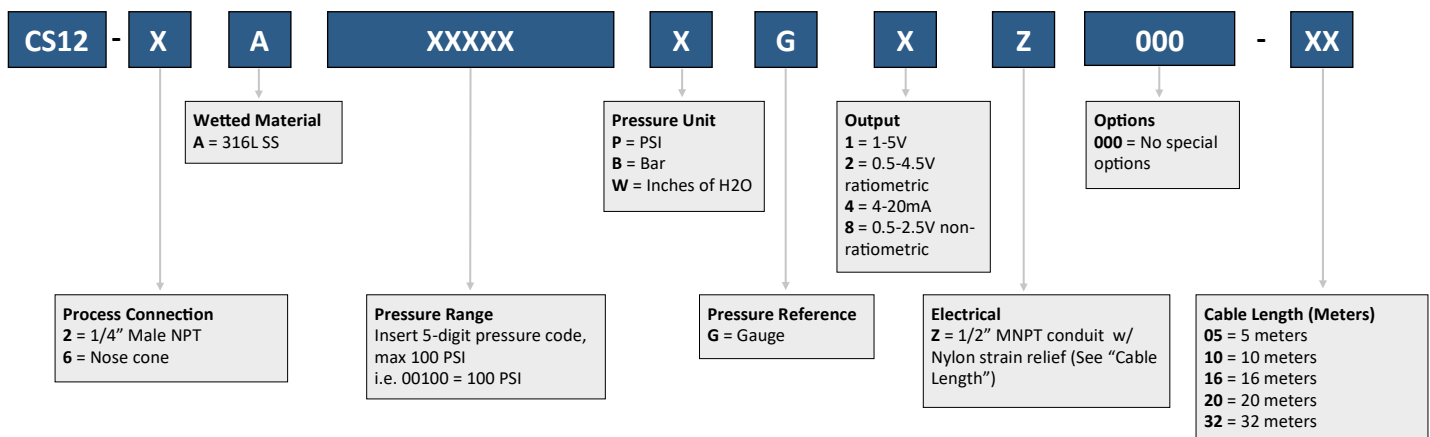
*Dimensions are for reference only



MATERIALS



MODEL NUMBER CONFIGURATION



Ordering Example: CS12-6A00005PG4Z000-10 (Nose cone, 316L SS, 0-5 PSI gauge, 4-20mA, 1/2" MNPT conduit with nylon strain relief, 10 meters of ETFE cable)

Not all configurations are available. Our sales team can recommend the closest available configuration based on your requirements.

Contact Core Sensors for configurations not shown.

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Warranty information can be found online at core-sensors.com.