

CS11

Compact Media Isolated Pressure Sensor

FEATURES

- Pressures from 2 PSI up to 2,000 PSI
- Compact design
- 10mV/V output signal
- Flush diaphragm available

GREAT FOR....

- Pressure control panels
- Low pressure monitoring
- General industrial equipment
- Pressure measurement in confined spaced



About the CS11

The **CS11 Compact Media Isolated Pressure Sensor** features a silicone sensing element isolated by a fluid filled cavity. Multiple configurations are available with a millivolt output signal and 316L SS wetted material for compatibility in a variety of medias. With available pressure ranges from 0-2 up to 2,000 PSI, the CS11 is an economical choice in applications with minimal installation space.



Small Profile - Excellent Performance

The CS11 Compact Media Isolated Pressure Sensor is the ideal sensor for applications requiring a **small profile with reliable, repeatable performance**. Threadless configurations with an O-ring seal are available for easy installation into pressure manifolds. Need a threaded connection? No problem! The CS11 can also be configured with a threaded process connection such as 1/4" or 1/8" Male NPT.

The CS11 not only offers a small profile but also high performance. Pressure is transferred from the 316L SS diaphragm to the sensing element via a fluid filled cavity. This fluid filled design results in a **highly stable and fast response pressure measurement over a wide operating temperature range**.

Don't see the configuration you require? Contact Core Sensor today and let us know your requirements! The CS11 features a configurable design, **allowing broad customization possibilities**.

SPECIFICATIONS

Performance

Accuracy @ 25°C: *	≤ ±0.25% BFSL ≤ ±0.5% BFSL (2 PSI)
Stability (1 Year)	≤ ±0.25% of FS
Pressure Cycles	10 million
Overpressure	2X minimum
Burst Pressure	5X or 4,000 PSI, whichever is less

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

Thermal

Operating Temperature:	-40 to +120°C
Media Temperature:	-40 to +120°C
Compensated Temperature:	0 to +70°C
Storage Temperature:	-40 to +125°C
TC Zero:	≤ ±1.5% of FS ≤ ±2% of FS (2 PSI)
TC Span:	≤ ±1.5% of FS ≤ ±2% of FS (2 PSI)

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

Environmental

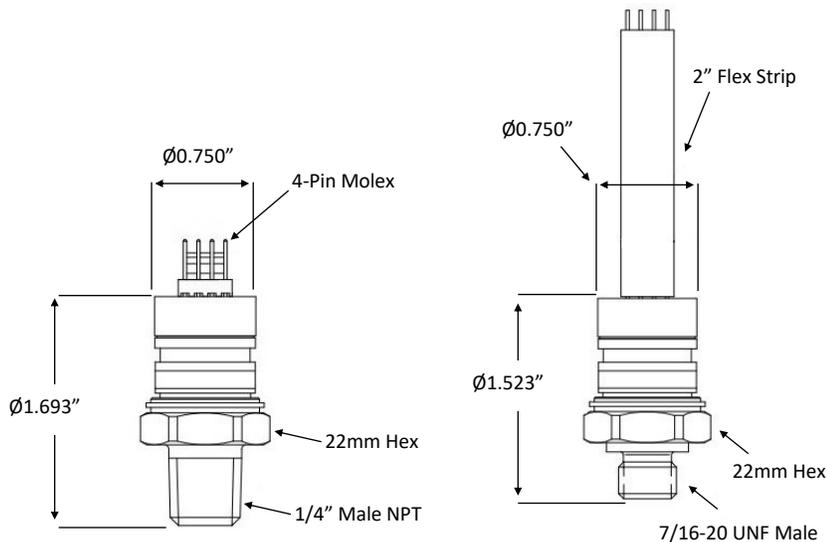
EMI/RFI Protection:	No
Vibration:	10g, 20 to 2000Hz
Shock:	100g, 11msec, 1/2 sine

Electrical (Millivolt)

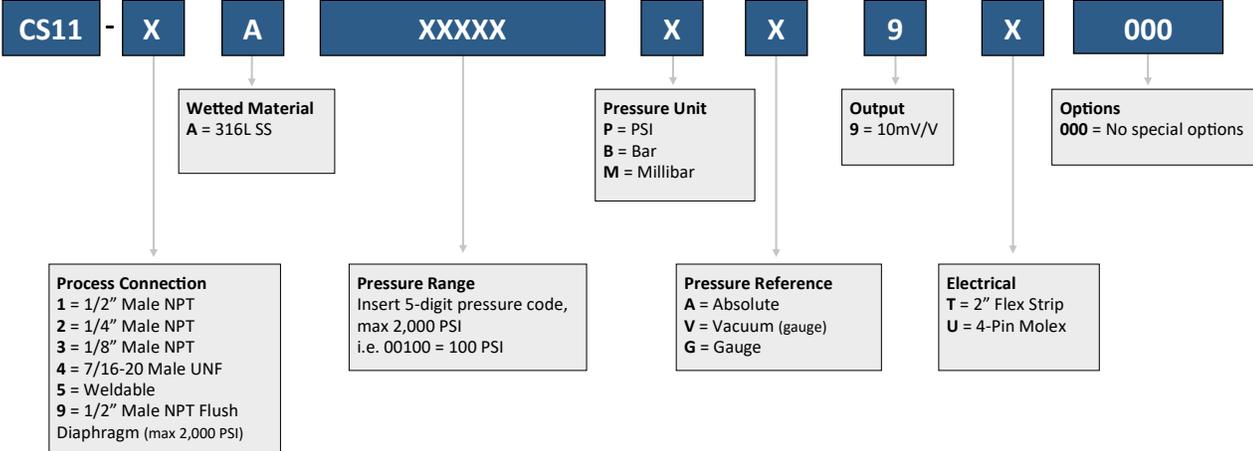
Outputs:	10mV/V
Excitation:	5VDC, typical 10VDC, max
Current Consumption:	< 5mA
Input Impedance	5000 Ohms, typical
Output Impedance	5000 Ohms, typical
Frequency Response (min)	~5kHz
Zero Offset (of FS):	± 2% max
Span Tolerance (of FS):	± 2% max

DIMENSIONS

*Dimensions are for reference only



MODEL NUMBER CONFIGURATION



Ordering Example: CS11-2A00100PG9U000 (1/4" Male NPT, 316L SS, 0-100 PSI gauge, 10mV/V, 4-Pin Molex)
 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.
 Visit our [How To Buy](#) page or [contact us](#) for a quote.

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