

CS10 Industrial Pressure Transducer



FEATURES

- Pressures from vacuum up to 45,000 PSI
- Highly configurable
- IP65 minimum rated
- Wide operating temperature

APPROVALS / CERTIFICATIONS

- ✓ CE
- ✓ CSA ordinary location available. Contact Core Sensors for more information.

COMMON APPLICATIONS

- Hydraulic/pneumatic equipment
- Water pressure monitoring
- HVAC/R controls
- Hydrogen
- Control panels

SPECIFICATIONS

Performance @ 25°C

Accuracy*	≤ ±0.25% BFSL ≤ ±0.5% BFSL (≤ 2 PSI & >10,000 PSI)
Stability (1 Year)	≤ ±0.25% of FS
Pressure Cycles	100 million
Overpressure	2X minimum
Burst Pressure	5X or 60,000 PSI, whichever is less

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

Thermal

Operating Temperature	-40 to +85°C
Media Temperature	-40 to +120°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	10g, 20 to 2000Hz
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.

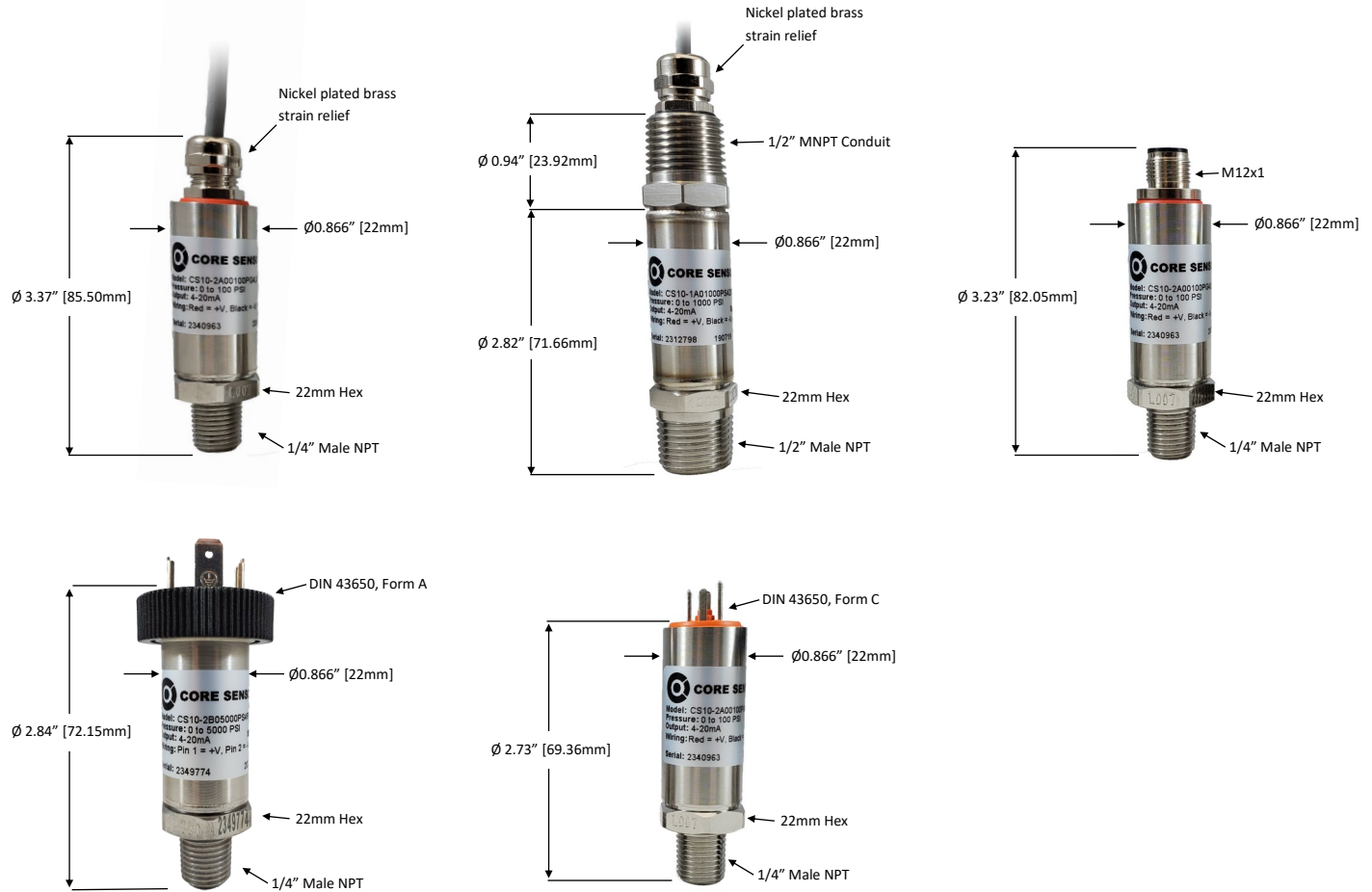
Electrical

	4-20mA	1-5V, 1-6V, 0-5V	0-10V (3-wire)	0.5-4.5V ratiometric	0.5-2.5V non-ratiometric	10mV/V
Excitation	10-28VDC	10-28VDC	15-28VDC	5VDC +/- 0.5V, regulated	3-5VDC, unregulated	5VDC, typical
Current Consumption	20mA, typical	<10mA	<10mA	<10mA	≤3mA	<5mA
Output Load	0-800 Ohms @ 10-28VDC	5K Ohms, min	5K Ohms, min	5K Ohms, min	5K Ohms, min	>1M Ohms
Frequency Response (min)	~250Hz	~1kHz	~1kHz	~1kHz	~1kHz	~5kHz
Zero Offset (of FS)	≤ ±0.5% typical ± 1% max	≤ ±0.5% typical ± 1% max	≤ ±0.5% typical ± 1% max	≤ ±0.5% typical ± 1% max	≤ ±0.5% typical ± 1% max	± 2% 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	≤ ±0.5% typical ± 1% max	± 2% max

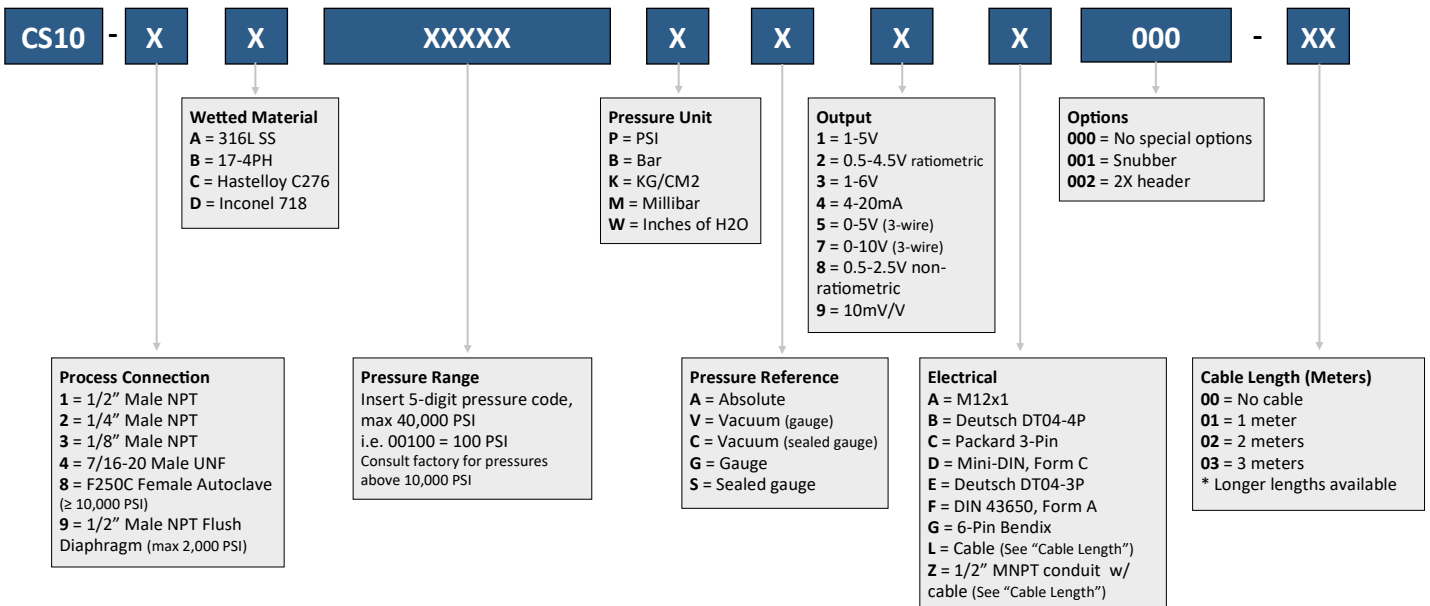
For wiring information, visit core-sensors.com/wiring

DIMENSIONS

*Dimensions are for reference only



MODEL NUMBER CONFIGURATION



Ordering Example: CS10-2A01000PS4A000-00 (1/4" Male NPT, 316L SS, 0-1000 PSI sealed gauge, 4-20mA, M12x1)
 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.