CS12

OEM Submersible Pressure Transducer

The CS12 OEM submersible pressure transducer is designed for liquid level measurement applications. Stainless steel (316L and 304) construction and an Extruded ETFE cable jacket allows for installation in a wide variety of liquids. Precision welds and a high strength cable gland prevent liquids from entering the electronics. A wide diameter vent tube quickly equalizes the barometric pressure within the sensor body to ensure accurate level measurements. The CS12 is available in various output signals including 4-20mA loop powered for long distance transmissions and voltage outputs for low power, low current consumption.



Features

- ≤ ±0.25% BFSL accuracy
- Pressures from 1 PSI up to 100 PSI
- 316L SS diaphragm / oil filled sensor element
- Removable nose cone

Applications

- Fuel tank level measurement
- Ballast tanks
- Flood monitoring
- Depth measurement

SPECIFICATIONS

Performance	
Accuracy*	≤ ±0.25% BFSL
Stability (1 Year)	≤ ±0.25% of FS
Pressure Cycles	50 million
Overpressure	2X, minimum
Burst Pressure	5X or 1,250 PSI, whichever is less

^{*} Accuracy includes non-linearity, hysteresis and non-repeatability

Thermal / Environme	ntal
Operating Temperature	-40 to +85°C
Compensated Temperature	0 to +55°C
Storage Temperature	-40 to +100°C
TC Zero	≤±1% of FS
TC Span	≤ ±1% of FS
EMI/RFI Protection	Yes
IP Rating	IP68
Vibration	10g, 20 to 2000Hz
Shock	100g, 11msec, 1/2 sine

Electrical			
Output	4-20mA	1-5V	0.5-4.5V ratiometric
Excitation	10-28VDC	10-28VDC	5VDC +/-0.5V
Current Consumption	20mA, typical	<10mA	<10mA
Output Load	See Load Line Curve	5K Ohms, min	5K Ohms, min
Frequency Response	~ 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, vis	it http://www.core-sensor	s.com/wiring	



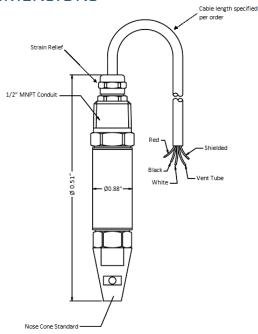
MODEL NUMBER CONFIGURATION

CS12- 6 A XXXXX X G X Z 000 - XX

del Family - Submersible Pressure Transducer		Cable Length 05 = 5 meters
ess Connection se Cone		10 = 10 meters 16 = 16 meters
ed Material SL SS		20 = 20 meters 32 = 32 meters
ssure Range t 5-digit pressure code, max 100 PSI 00100 = 100 PSI)		Options 000 = No Special Options Electrical
ure Unit		Z = Conduit w/ Cable Gland (See "Cable Length")
ar nches H2O		Output 1 = 1-5V
Pressure Reference G = Gauge		2 = 0.5-4.5V Ratiometric 4 = 4-20mA

^{*} Ordering Example: CS12-6A00010PG1Z000-10 (0-10 PSI, Nose Cone, 1-5V, 1/2" MNPT conduit w/ cable gland, 10 meters of cable, 316L SS, Gauge)

DIMENSIONS



^{*}Dimensions are for reference only



We are committed to delivering the highest quality instrumentation on every order.

Core Sensors warrants that all items shipped will be free of defects in material and workmanship for a period of one (1) year from the date of shipment.

View complete warranty information online at www.core-sensors.com.

^{*} Contact factory for custom configurations not shown