

Intrinsically Safe Programmable Linear Position Sensor

The Series 7330 Pro-Stik II sensor combines the reliability and resolution of magnetostrictive continuous absolute positioning sensing with the Stik sensor package to create a unique level measuring instrument.

The magnetostrictive technology is the same as used in Gemco LDT sensors. Ametek liquid level sensors, have been proven in demanding applications such as underground leak detection and inventory management. The 7330 is available with a rigid 316 stainless steel or flexible PVDF materials.

All of the electronics are SMT components integrated into the 5/8" diameter sensing tube. This breakthrough in package design eliminates the electronics enclosure at the top of the sensor, which reduces the cost and offers greater options for insertion and mounting in tanks and vessels.

Continuous position data is provided with resolution of .014". The two wire loop powered 4 - 20mA intrinsically safe output is field programmable for zero and span via a separate programming pin. The position data is absolute and can be referenced from the top or bottom of the probe.

The rugged, all welded 316 stainless steel construction is ideal for industrial, food processing, pharmaceutical, sanitary environments and even hazardous areas requiring intrinsically safe protection.

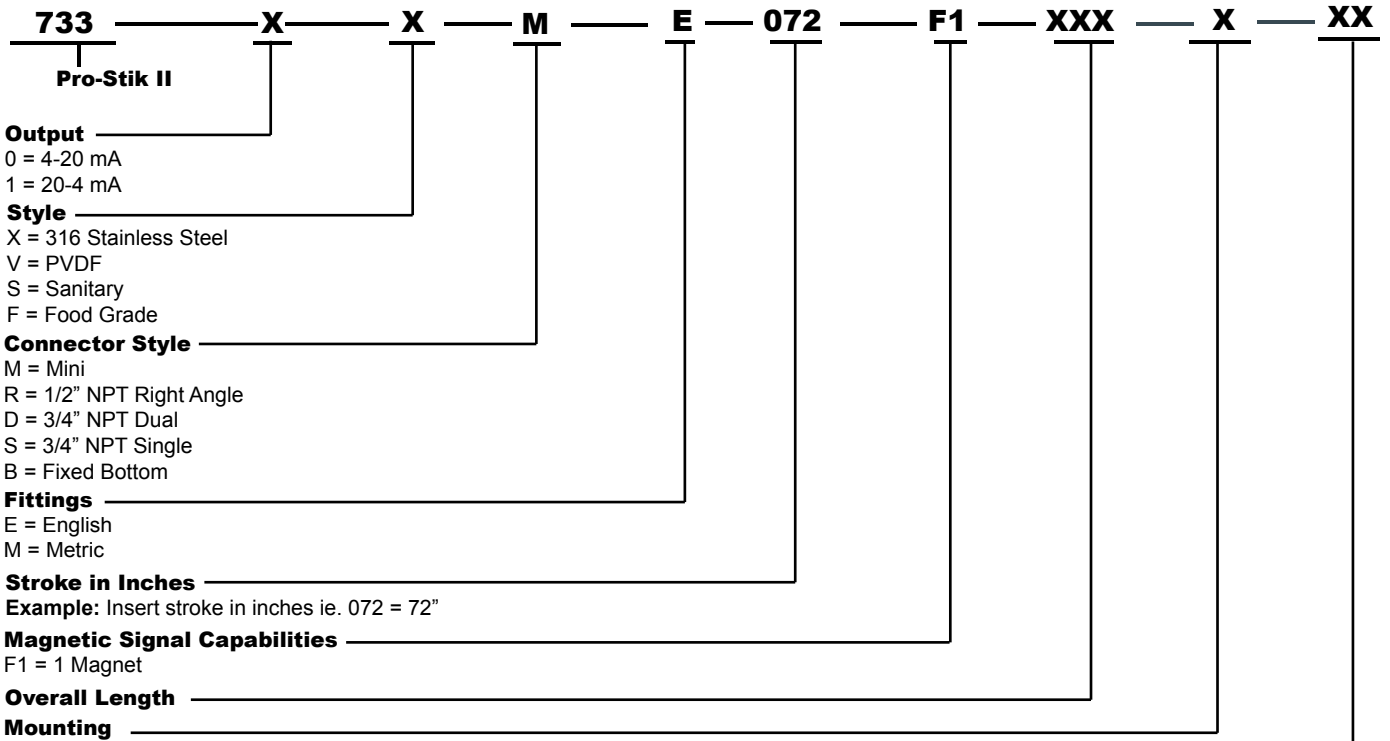
The sanitary and food grade versions of the Stik are totally welded, ground and polished, and can be easily installed with the Tri-clamp fitting. The Series 7330S probe design eliminates unacceptable cracks and crevices and is available in a 3-A CIP version or food grade finish with a removable float. A variety of floats, magnets, and mounting options are available to fit virtually any application.



Specifications	
Operating Voltage	13.5 - 30 VDC
Loop Impedance (R)	0 - 1000 @ 24 volts
Output	4 - 20 mA
Operating Temperature	-20° to 70° C
Pressure Rating	1000 psi Max.
Resolution	0.025% full scale or 0.02" (whichever is greater)
Repeatability	0.025% full scale or +/-0.020" (whichever is greater)
Accuracy	0.1% or .050" (whichever is greater)
Enclosure: Material Rating	Probe: 316 SS or PVDF IP68
Probe Length Stainless Steel	20" - 288"
Null Zone	8"
Deadband	2"
Intrinsically Safe Barrier	Voc less than or equal to 31 VDC Isc less than or equal to 165 mA
Approvals	Class I, II, III Div. 1, Grp C, D, E, F, & G Class I, Zone 0, Grp IIB Class I Div. 2, Grp A, B, C, D EEx ia IIB T4 FM, CSA, ATEX (pending) 3A (74-02)
Specifications may change without notice. Patented.	

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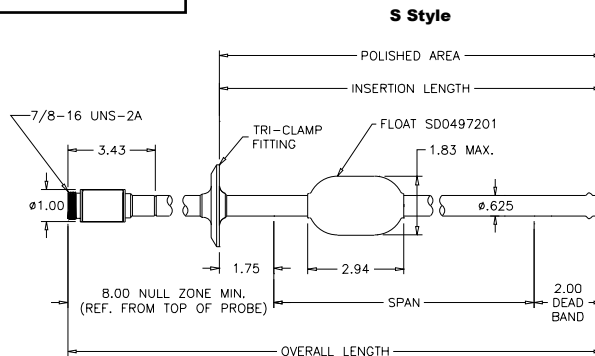
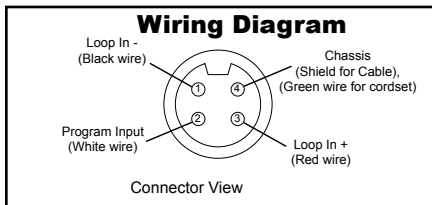
Part Numbering



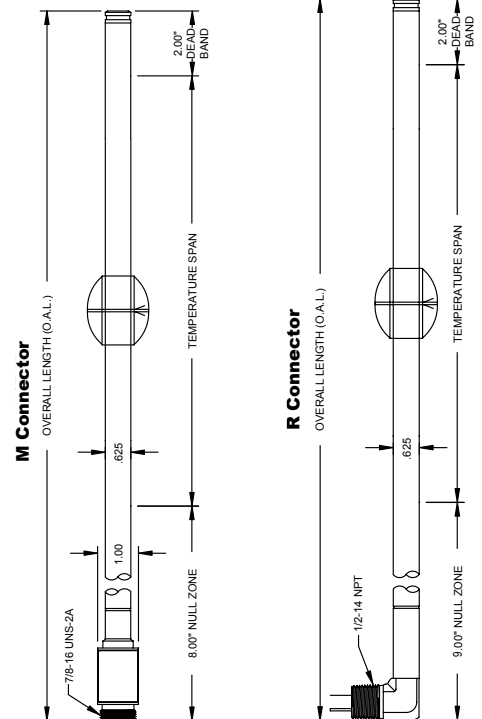
X = None	B = Fixed Bottom
C = "C" Version	P = C.I.P. (3A)
T = Tri-Clamp	

Special Mounting

XX = None	
For "B" Mounting Style	For "T" Mounting Style
Gx = Galvanized Hsg	20 = 2"
Sx = Stainless Hsg	25 = 2.5"
x0 = Std	30 = 3"
	40 = 4"



Dimension Drawing



7330