

B|W Controls

Liquid Level Sensors

7330 Series Pro-Stik II Magnetostrictive Sensor with Field Programmable Span

The 7330 Series Pro-Stik II design takes □eld proven technology and incorporates features including □eld programmable span. A variety of □oats and mounting accessories is also available to □t many applications.

The construction of the sensor has all of the electronics integrated into the 5/8" diameter sensing tube. This breakthrough in package design eliminates the bulky electronics enclosure at the top of the sensor.

7330X

The 7330X Pro-Stik II is ideal for level monitoring in a variety of liquids and tanks.

- Mini connector or 3/4" NPT □tting
- Totally welded construction optional
- Cathodic protection optional
- Security feature uses a timing sequence to unlock the probe for programming.

7330V

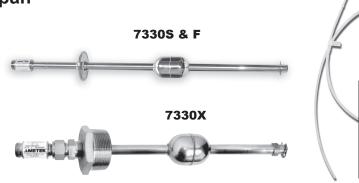
The 7330V Pro-Stik II is ideal for level monitoring in a variety of liquids and tank designs especially when overhead room is limited. Diagnostic output provides continuous information about the □oat's position.

Available in Exible and semi-Exible PVDF (polyvinylidene Euoride) in lengths up to 40 ft. PVDF material provides an excellent option for monitoring chemicals not compatible with stainless steel.

7330S & F

The 7330 S & F probes are effective in demanding applications such as underground leak detection and inventory management. The rugged, 316 stainless steel construction is ideal for food processing, pharmaceutical and other sanitary environments.

- Provides continuous absolute position data.
- · No calibration required.
- Finish is welded, ground and polished
- Installed with a standard Tri-clamp
 tting. Can also be ordered without a Tri-clamp.
- "Timing sequence" unlocks probe, preventing accidental re-programming.
- Diagnostic outputs





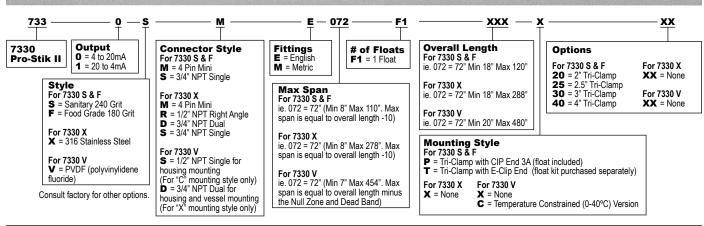
	Speci cat	ions		
Operating Voltage	13.5 to 30 VDC	Probe Length		10" to 100"
Output Operating Output Diagnostic Output	4 to 20mA 3.9mA and 20.1mA, □oat outside of span 3.8mA, no signal received (Note: Diagnostic Tolerance +/- 0.02mA)	(7330 S & F) Stainless Steel M, R, D, S (7330X) Stainless Steel R (7330X) Stainless Steel M, D, S (7330V) PVDF Style C		18" to 120" 19" to 128" 18" to 288" 20" to 192"
	(Note: Diagnostic Interance 1/2 0.02m/y	(7330V) PVDF Style X		25" to 480" Consult Factory follonger lengths
Operating Temperature		Hazardous Areas Approvals		Other Approvals
Sensing Area (7330X, S & F) Electronics Area (7330X, S & F) All (7330V)	-20° to 100° C (No Hazardous Location) -20° to 70° C -20° to 70° C	-20° O Tamb O 70° C Approval for	FM & CSA Approval for 30X, V, S & F	3A Approval for 7330S ONLY.
Pressure Rating (7330X, S & F)	316SS Probe: 1000 psi max. Floats: Dependent. Call Factory.	Groups C, D, E, F, G, T4 Class I, Div. 2 Groups A, B, C, D, T4 Class I, Zone 0, AEx ia IIB T4	FM	Sanitary 3A (74-02)
(7330V)	PVDF Probe: 150 psi max.	Class I, Zolle U, AEX la IIB 14	AT 110725	
Resolution	0.025% of span or 0.014", (Whichever is Greater)	ATEX	(SB	74-02
Repeatability	0.014" + 0.05% of span typical, 0.014" + 0.4% of span maximum	EEx ia IIB T4 NEMKO 04 ATEX 1357X		
Accuracy	0.1% of span or 0.050" (Whichever is Greater)	(€ 0344 €x) II 1G		
Null Zone (7330X, S & F) (7330V)	8" C Mounting Style : 9" X Mounting Style : 12"			
Dead Band (7330X, S & F) (7330V)	2" C Mounting Style : 3" X Mounting Style : 6 to 14" (Depends on OAL)			
Intrinsically Safe Barrier	See Installation Drawing E0240200			
Enclosure Material Rating (7330X, S & F) (7330V)	316SS IP68 PVDF IP68			

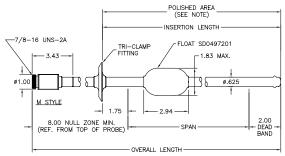
Accessories					
Item	P/N	Item	P/N		
7330 V Style		7330 X Style			
Float: 316 Stainless Steel,2.05" dia., 0.56s.g.	14020002	Float Kit, 316 SS, 2.05" Diameter w/ E Clip and Spacer 0.54s.g.	SD0515000		
Weight Kit: for use with PVDF probes with OAL of 146" to 288" 316 Stainless Steel components, 2"d x 7"h weight and retaining pin. (For use with "X" style mounting).	SD0517408	Float Kit, Nitrophyl, 2.02" Diameter w/ E Clip and Spacer 0.40s.g.	SD0536500		
Weight Kit: for use with PVDF probes with OAL of 289" to 432" 316 Stainless Steel components, 2"d x 7"h weight and retaining pin. (For use with "X" style mounting).	SD0517411	Cable Assembly, 4 pin, 6 feet long (M style only)	01533141		
Weight Kit: for use with PVDF probes with OAL of 433" to 480" 316 Stainless Steel components, 2"d x 7"h weight and retaining pin. (For use with "X" style mounting).	SD0517413	Adjustable Tube Coupling 5/8" x 3/4" NPT	04283800		
Float Spacer: PVDF split ring spacer and screws. (For use with "C" style mounting).	SD0511000	Junction Box, side mount, explosion proof with zero & span push buttons	SD0536101		
7330 S & F Styles		Safety Barrier Single Channel	04517238		
Cable/Connector Ass'y, 6 ft., M Style	01533141	Safety Barrier Dual Channel	04517248		
Meter, 4.5 Digital Display, Panel Mount, 2 Output Relays	04541069	Meter, 4 1/2 digit display, panel mount, 2 output relays	04541069		
Sanitary Float Kit, 316SS, 1.83" dia., .61s.g., F Style Only	SD0529100	Bushing, 3/4" x 2" NPT 316SS	04587241		

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Spec Tech Industrial 203 Vest Ave Valley Park, MO 63088 Phone: 888 SPECTECH

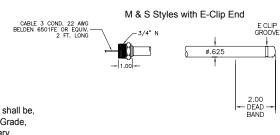






7330 S & F Dimensions

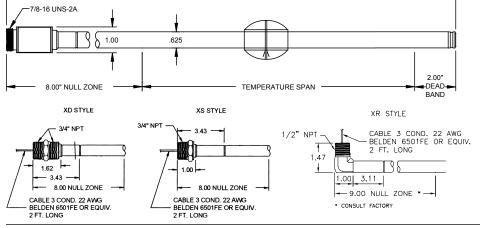
M & S Styles with CIP End

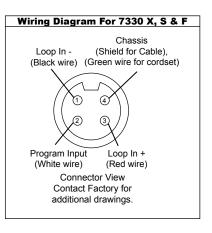


Note: All polished area surfaces shall be, a) 180 grit or better for 3A Food Grade, b) 240 grit or better for 3A Sanitary.

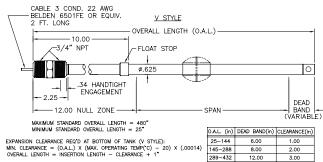


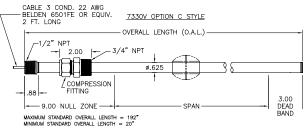






7330 V Dimensions





NOTES: UNLESS OTHERWISE SPECIFIED

1. OPERATING TEMPERATURE OF V-C STYLE PROBE IS 0-40°C (32-104°F)

2. ALL DIMENSIONS ARE FOR REFERENCE ONLY.

Wiring Diagram For 7330 V				
Signal Name	Pigtail Cable			
Loop (-)	Black			
Prgm Input	White			
Loop (+)	Red			