Series 7330 **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 7330S & F field proven technology and incorporates 7330V features including field programmable accessories is also available to fit many 7330X 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

7330X

sensor.

applications.

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

span. A variety of floats and mounting

- Mini connector or 3/4" NPT fitting
- · 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 float's position.

Available in flexible and semi-flexible PVDF (polyvinylidene fluoride) 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 fitting. Can also be ordered without a Tri-clamp.
- "Timing sequence" unlocks probe, preventing accidental re-programming.
- Diagnostic outputs

Specifications						
Operating Voltage	13.5 to 30 VDC	Probe Length				
Output Operating Output Diagnostic Output	4 to 20mA 3.9mA and 20.1mA, float 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 (7330V) PVDF Style X	18" to 120" 19" to 128" 18" to 288" 20" to 192" 25" to 480"			
			Consult Factory for longer lengths			
Operating Temperature 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	Hazardous Areas Approvals FM, CSA FM & CSA -20° ≤ Tamb ≤ 70° C Approval for Class I. II. III. Div. 1 7330X, V, S & F	Other Approvals 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	Sanitary 3A (74-02)			
(7330V)	PVDF Probe: 150 psi max.	Class I, Zone 0, AEx ia IIB T4 APPROVED				
Resolution	0.025% of span or 0.014", (Whichever is Greater)	ATEX	74-02			
Repeatability	0.014" + 0.05% of span typical, 0.014" + 0.4% of span maximum	NEMKO 04 ATEX 1357X	202			
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	1				
Enclosure Material Rating (7330X, S & F) (7330V)	316SS IP68 PVDF IP68 Specifications are subject to chang					

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 rd 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			



