

Proven Magnetostrictive Sensing Performance with a Field Programmable Span.

The Series 7300 Pro-Stik II takes field proven magnetostrictive sensing technology and incorporates features such as intrinsic safety and a field programmable span. All of this is then packaged in our patented Stik design, making the Pro-Stik II ideal for level monitoring in a variety of liquids and tank designs.

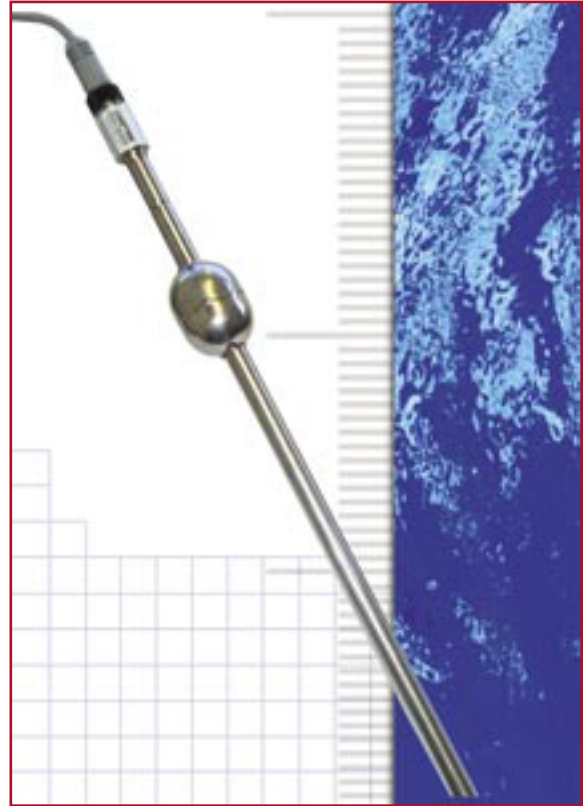
Sensors are available in rigid 316 stainless steel up to 24 feet. The stainless steel version is available with a mini connector or NPT fitting that can be joined to an optional housing with terminal connectors and zero/span push-buttons. The stainless steel version offers a totally welded construction and may be provided with cathodic protection.

All of the sensor's 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 improves the environmental seal and offers greater options for insertion and mounting in tanks and vessels.

The Series 7300 Pro-Stik II is a loop powered intrinsically safe sensor with a scaleable 4 - 20 mA span that provides 0.1% accuracy, full scale. The only calibration required is to set the upper and lower limits of the span.

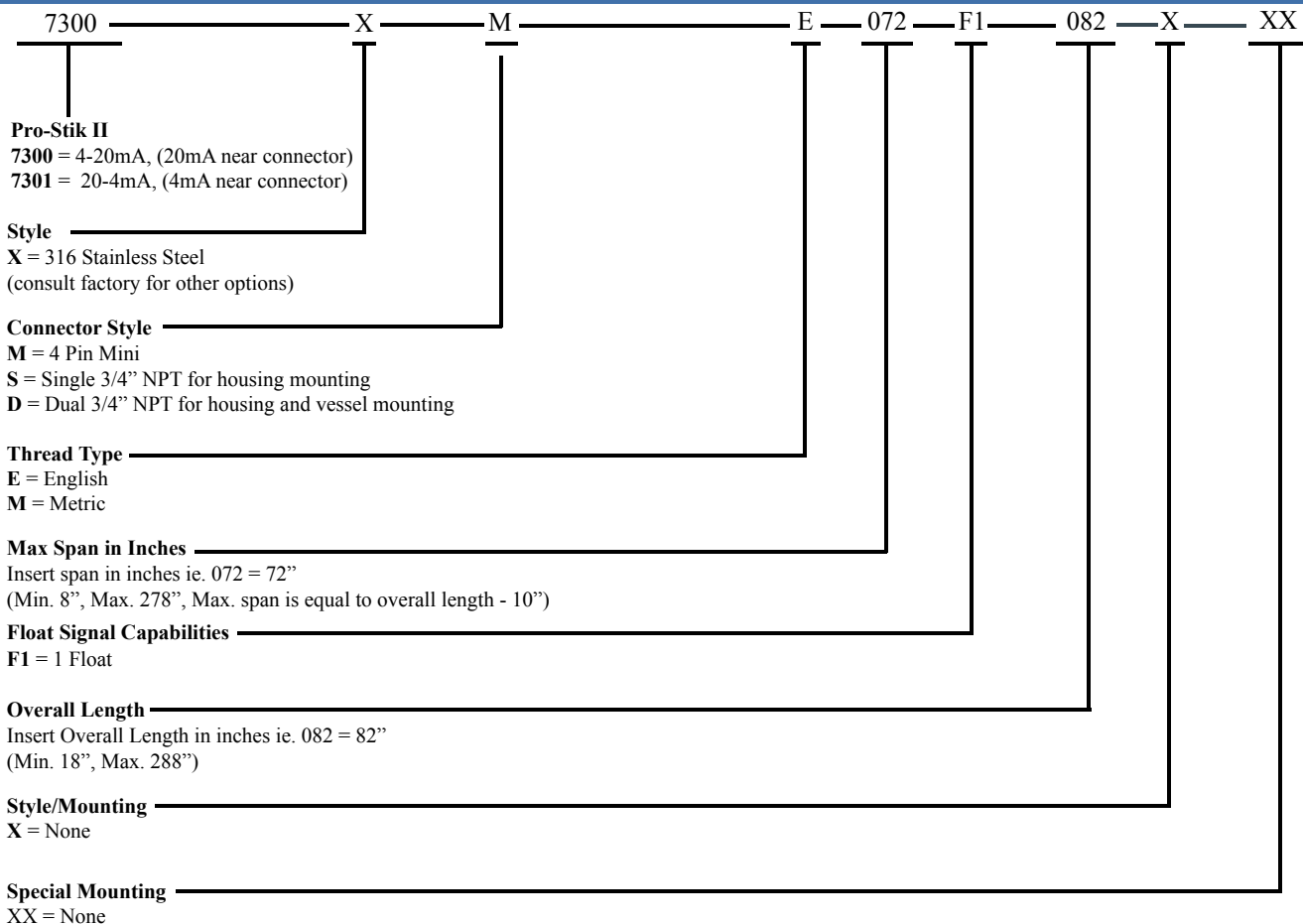
The Series 7300 has a unique diagnostic output that provides continuous information about the float's position. If the float is below the set span, but within the active region of the probe, the sensor output is 3.9mA. If the float is above the set span, but within the active region, the output is 20.1 mA. If the float is either above or below the active range or the signal is lost for any reason, then the output is 3.8 mA. The Series 7300 Pro-Stik II can be "Bench" calibrated to set the zero and span or an optional housing with push-button setting of the zero and span at the tank is available

A variety of floats and mounting accessories are available to fit virtually any application. In addition, a flexible (PVDF) probe is available for lengths up to 50 feet, and a 3A sanitary probe is available for food processing and pharmaceutical applications. Contact the factory to match your needs today.



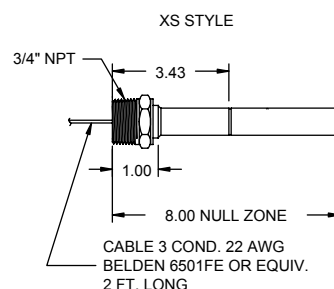
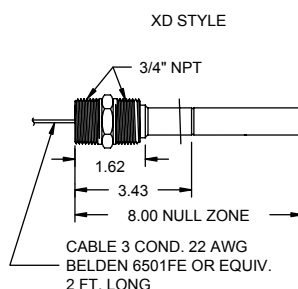
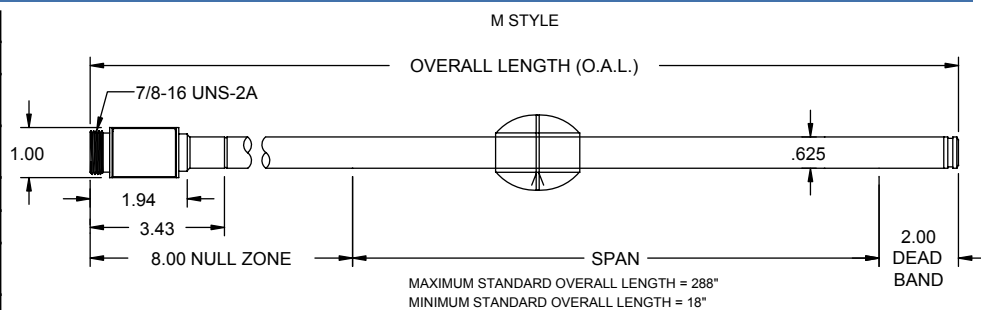
Specifications	
Operating Voltage	10 - 30 VDC
Loop Impedance (R)	700 ohm @ 24 volts
Output	4 - 20 mA Adjustable
Temperature Range Operational Non-Operational (C.I.P.)	-20° to 70° C -20° to 125° C
Pressure Rating	1000 PSI (Stainless Steel) Float Dependant
Resolution	0.025% full scale or 0.014" (whichever is greater)
Repeatability	0.014" + 0.05% of span typical, 0.014" + 0.4% of span max.
Non-Linearity	0.1% or .050" (whichever is greater)
Enclosure: Material Rating	316 SS IP68
Probe Length	18" - 288"
Null Zone	8"
Deadband	2"
Sensor Connection	Mini Cable or 3/4" NPT
Process Connection	2" Recommended
Approvals CE Hazardous Locations	EMC Directive (89/336/EEC) Groups IIA, IIB; Zones 0, 1 or 2, -20C <= Tamb <= +70C, T4 Entela Certified to: UL 2279 FM 3610 CAN/CSA E79-11-95 (R1999) & CAN/CSA E79-0-95 (R1999) DEMKO ATEX Certified to: (Pending) EN 50014 (2nd Edition) EN 50020 (2nd Edition)
Specifications may change without notice. Patented	

Series 7300 Part Numbering

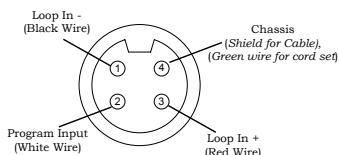


Dimensions

Accessories	
Part Number	Description
SD0515000	Float kit 316 SS, 2.05" Diameter. with E clip & spacer 0.54 s.g.
SD0536500	Float Kit, Nitrophyl 2.02" Diameter with E clip & Spacer, 0.40 s.g.
01533141	Cable Assembly, 4 pin, 6 feet long (M style only)
04283800	Adjustable Tube coupling 5/8" x 3/4" NPT
SD0536100	Junction box explosion. proof side mount with zero & span push buttons
SD0536200	Junction box. Explosion. proof bottom mount with zero & span push buttons
04517238	Safety barrier single channel
04517248	Safety barrier dual channel
04541069	Meter, 4-1/2 digit display, panel mount, 2 output relays



Wiring Diagram



* Contact factory for additional drawings.

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