



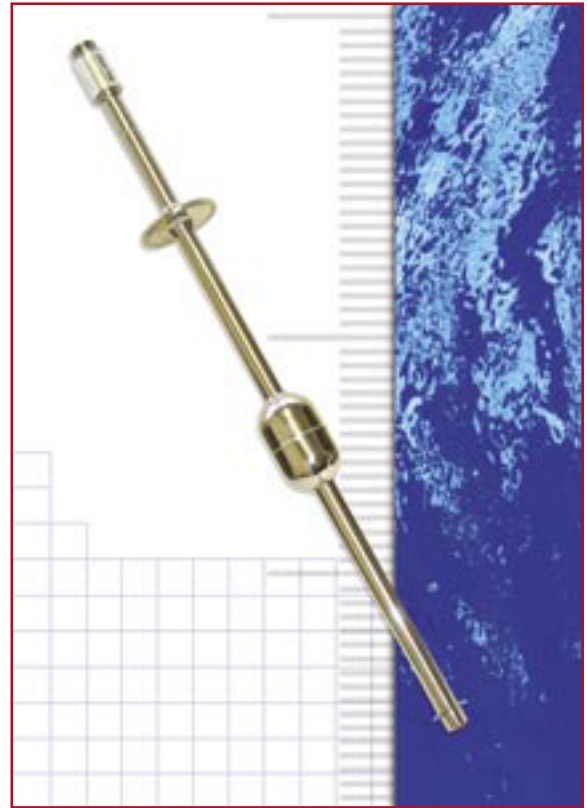
Proven Magnetostrictive Sensing Performance with a Field Programmable Span For Sanitary Applications.

The Series 7300 Sanitary Level Sensors combine the reliability and resolution of magnetostrictive continuous absolute position sensing with the unique Stik sensor packaging to create a unique sanitary level measuring instrument. The magnetostrictive technology is the same as that used in other Ametek liquid level sensors, which have been proven 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.

The 316 Stainless Steel Series 7300 sanitary probe design eliminates unnecessary cracks and crevices and is available in a 3A C.I.P. version or with a removable float. Other 7300 level sensors are available in PVDF or stainless steel designs.

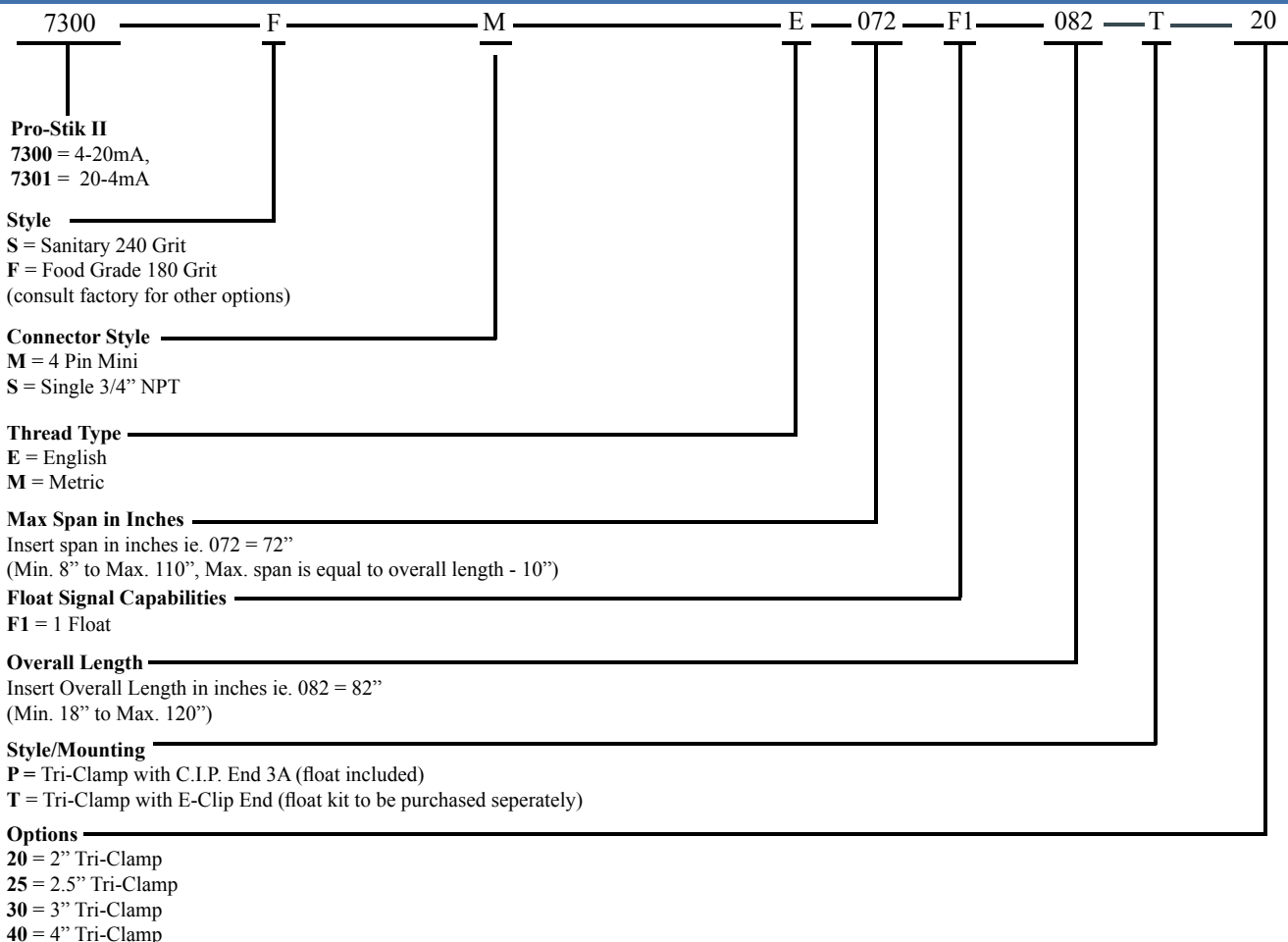
The construction of the sensor has all of the electronics integrated into the 5/8" diameter sensing tube. This breakthrough in package design eliminates the bulky electronics enclosure at the top of the sensor. Our patented design offers the user greater options for insertion and mounting in a wide variety of tanks and vessels. Continuous position data is provided with a resolution of 0.014". No calibration of the sensor is required for its use since the position data is absolute and referenced to the bottom of the probe. The 316 stainless steel sensor utilizes a welded, ground and polished construction which can easily be installed with a standard Tri-clamp fitting.

The Series 7300-S Sanitary Level Sensors inherently lower cost design provides more options, offers savings on installation and mounting and has the ultimate in "designed-in" reliability. Along with unique diagnostic output that provides continuous information on the position of the float. Sensor reads 3.9mA if the float is below the set span, or 20.1mA if the float is above the set span.

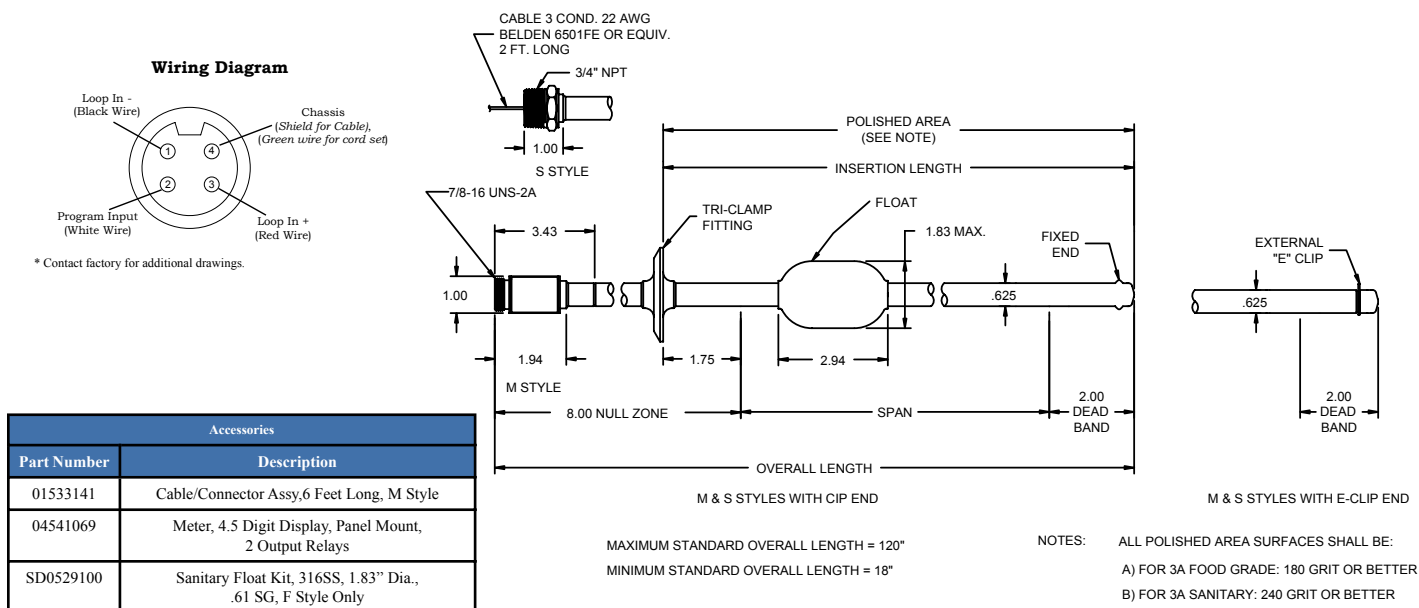


Specifications	
Operating Voltage	10 - 30 VDC
Loop Impedance (R)	700 ohm @ 24 volts
Output	4 - 20 mA Adjustable
Temperature Range	
Operational	-20° to 70° C
Non-Operational (C.I.P.)	-20° to 125° C
Pressure Rating	1000 PSI (Stainless Steel) Float Dependant
Resolution	0.025% full scale or 0.014" (whichever 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	316 SS
Finish	Ground & Polished 180 or 240 Grit
Rating	IP68
Probe Length	18" - 120"
Null Zone	8"
Deadband	2"
Sensor Connection	Mini Cable or 3/4" NPT, M-20
Process Connection	2" to 4" Tri-Clamp
Approvals	
CE	EMC Directive (89/336/EEC)
Hazardous Locations	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)
Sanitary	3A
	74-02 (Pending)
Specifications may change without notice. Patented	

Series 7300 Sanitary Part Numbering



Dimensions



1080 N. Crooks Road • Clawson, MI 48017 • USA
 800-635-0289 • 248-435-0700 • Fax: 248-435-8120
 www.ametekapt.com • www.ametek.com

7300S.B1R1
 03/03 • Z157
 5C