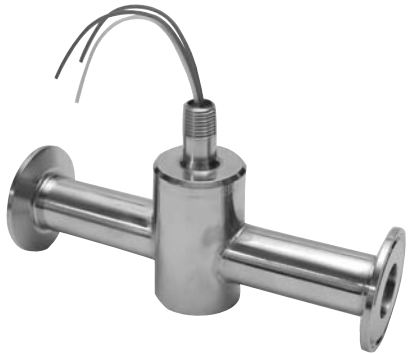


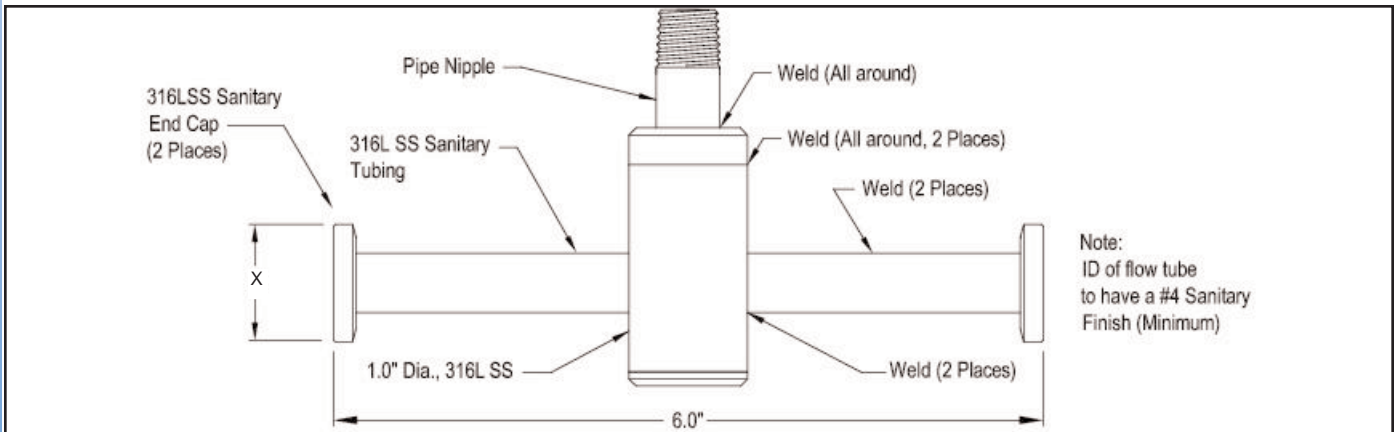
Model 2543 Non-Intrusive Sanitary Sensor

Designed to accurately measure the temperature of liquids flowing through pipes, and for use in food, beverage, pharmaceutical and other applications where sensor corrosion and product contamination are critical. These inline RTDs are designed for direct installation. Temperature of the product is measured without flow interruption.



Model 2543

- Obstruction free measurement - no probe to break off
- All-welded construction
- Choice of sanitary fittings and connection heads
- Multiple pipe sizes and lengths available
- Internal flow tube is polished to sanitary finish



Specifications:

1. Model	Base model/series number.		
2. A. Accuracy:	<i>Standard</i> Class B (no code) <i>High</i> Class A (code H) <i>Special</i> Customer Specified (code S) * Industry Standard is DIN Curve (code 01B), Platinum, 100@ 0°C. Conforms to IEC 751.		
B. TCR:	Temperature Coefficient of Resistance is the temperature vs. resistance characteristics of a given metal (Pt, Cu & Ni) used in manufacturing the RTD. Determines the curve of the RTD.		
C. Ice Point Resistance:	R ₀ - Resistance at 0°C (32°F)		
3. Construction:	Code A - 316SS tube and wire construction, thin film element (.00385055), teflon insulated lead wire.		
4. Lead Wires:	3 - Wire 	4 - Wire 	6 - Wire (Dual 3 - Wire)
	8 - Wire (Dual 4 - Wire) 		
5. Conduit Connection:	Nickel plated steel		
6. Pipe Diameter:	1/2" minimum, 2" maximum OD		
7. Pipe Length:	3.5" minimum		
8. Sanitary Fitting:	316L SS, specify sanitary connection		

Model	Description	
2543	Flow Thru Non-Intrusive Sanitary Sensor	
1	Code	R _O & Temperature Coefficient
	01B 10B	100 ohm Platinum .00385055 TCR (100 ohms @ 0°C) - Industry Standard 1000 ohm Platinum .00385055 TCR (1000 ohms @ 0°C) Add Code "H" for higher accuracy Add Code "S" for special accuracy
2	Code	Construction Temperature Limit
	A Other	500 F° Maximum Consult Factory
3	Code	Number of Lead Wires
	2	2-Wire (No lead Compensation)
	3	3-Wire (Lead Compensation)
	4	4-Wire (Complete Compensation)
	6	Dual 3-wire (With dual element)
8	Dual 4-Wire (With dual element)	
4	Code	Electrical Connection
	C1 Other	1/4" NPT Pipe Nipple Consult Factory
5	Code	Tube Diameter
	_ X _	Customer Specified (O.D. X I.D.) (2" Max .)
6	Code	Pipe Length ("L" Dimension)
	X.X	Specify to the nearest 0.1" (6" min.)
7	Code	Sanitary Fittings
	A G	Ladish Tri-Clover / 16 AMP Cap, Tri-Clamp Cherry -Burrell / 16 AMP Cap, "S"- Clamp
8	Sizes :	
	0.5 0.75 1.0 1.5 2.0 2.5 3.0	
	Material	
	B = 316LSS	

2543	-	01B	-	A	-	4	-	C1	-	0.25x0.187-6.5	-	A2.0B
-	-	-	-	-	-	-	-	-	-	-	-	-

Sample Model Number
Your Model Number

