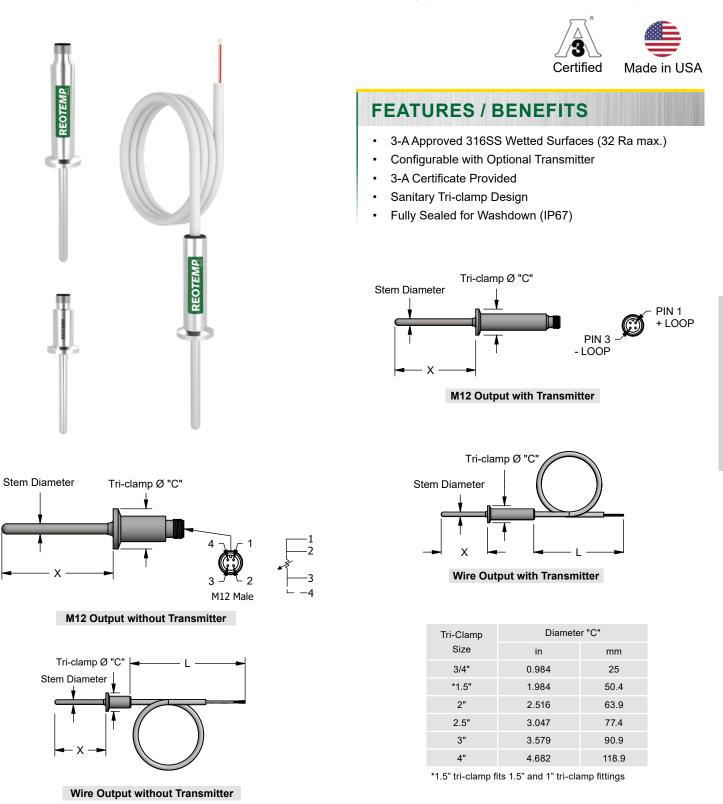
Sanitary RTD

SLIMLINE SANITARY RTD SENSOR/TRANSMITTER

Reotemp's Slimline Sanitary RTD is a compact sensor/transmitter designed for direct insertion into sanitary tri-clamp systems and applications. The Slimline's 3-A approved 316 stainless steel wetted surfaces are highly polished to reduce the risk of unsanitary conditions.



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SENSOR SPECIFICATIONS

Envi	ronmental Conditions
Maximum Process Temperature	-328/400°F
Con	nmon Specifications
Wire Types	Teflon insulated 24 AWG stranded, PVC insulated 24 AWG Stranded, or Teflon insulated 24 AWG Stranded with Aluminum Mylar Shield and Drain Wire
Wetted Material	316 Stainless Steel
Housing Material	316 Stainless Steel
Wetted Finish	Ra 32 Max. / Ra 20 Max.(Optional)
RTD Accuracy	Class A = ± (0.15 + 0.002 t)°C [-30/200°C] 1/10 B = ± (0.03 + 0.0005 t)°C [0/50°C] Outside of State Ranges = ± (0.3 + 0.005[t])°C [-200/200°C]
In	put Specifications
RTD Type	Pt100, Ni100

	Observed Authority Requirements				
RoHS	2011/65/EU				

TRANSMITTER SPECIFICATIONS

Environn	nental Conditions				
Ambient Temperature	-40/185°F				
Relative humidity	<95% relative humidity (non- condensing)				
Commo	n Specifications				
Supply Voltage	8.0 to 35 VDC				
Internal Power Dissipation	25 mW to 0.8 W				
Response Time (Programmable)	0.33 to 60s				
Voltage Drop	8.0 VDC				
Warm-up Time	5 min.				
Effect of Supply Voltage Change	< 0.005% of Span / VDC				
Accuracy	Better than 0.1% of selected range - RTD Accuracy				
EMC Immunity Influence	<±0.5% of Span				

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Output	Specifications			
Updating Time	135 ms			
Signal Range	4-20 mA			
Min. Signal Range	16 mA			
Load (@ current output)	≤ (Vsupply - 8) / 0.023 [Ω]			
Load Stability	≤ 0.01% of span /100Ω			
Sensor Error Indication	Programmable 3.5 to 23 mA			
NAMUR NE43 Upscale/ Downscale	23 mA / 3.5 mA			
Of Span	= of the presently selected range			
Input \$	Specifications			
Cable Resistance Per Wire 10 Ω (max.)				
Sensor Current	> 0.2 mA, < 0.4 mA			
Effect of Sensor Cable Resistance (3-wire)	< 0.002 Ω/Ω			
Sensor Error Detection	Yes			
Max. Offset	50% of selected max. value			

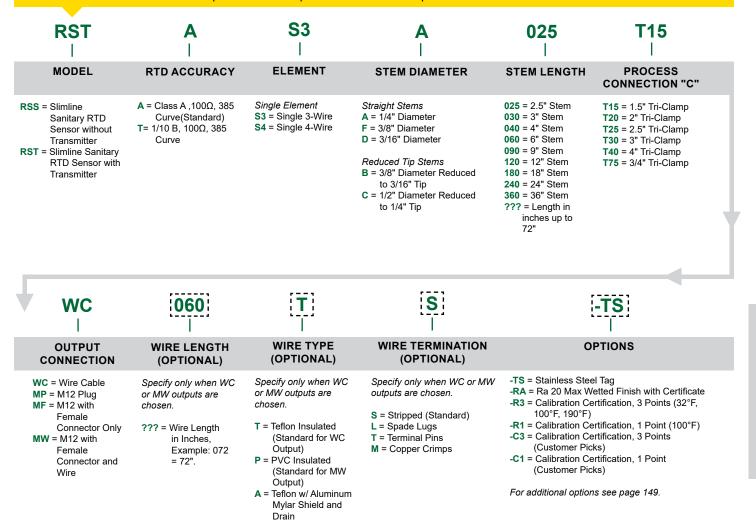
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Sanitary RTD



SLIMLINE SANITARY RTD SENSOR/TRANSMITTER

BUILD YOUR SLIMLINE: Choose options to build a part number. For example: RSTAS3A025T15WC060TS-TS



Customization



THERMOCOUPLE & RTD OPTIONS

		Thermocouple	RTD	Digital Thermometers	Handheld Digital			
CERTIFICATION OPTIONS								
-R1	1 Point Calibration Certification, Reotemp Chooses	✓	~	✓	✓			
-R3	3 Point Calibration Certification, Reotemp Chooses	✓	~	✓	✓			
-C1	1 Point Calibration Certification, Customer Chooses	✓	~	✓	✓			
-C3	3 Point Calibration Certification, Customer Chooses	✓	~	✓	✓			
-CC	Certificate of Conformance	✓	~	✓	~			
-CS	NIST Calibration Sticker (No Logged Points)	✓	~	✓	✓			
OTHER OPTIONS								
-VB	Hi-Vibration	N/A	~	✓	~			
-AC	Hi-Accuracy	N/A	~	N/A	N/A			
-PS	Pointed Stem	✓	~	✓	✓			
-TF	Teflon Coating	✓	~	✓	~			
-SS	316 SS stem	N/A	STD	✓	✓			
-NL	No Logo	✓	~	✓	~			
-HT	Heat Transfer Compound (2 oz)	✓	~	✓	N/A			
-GL	Plain Glass Lens	N/A	N/A	✓	~			
-CL	Custom Logo Dial	N/A	N/A	✓	✓			
-BP	Replacement Battery Pack	N/A	N/A	~	✓			
-WD	White Dial	N/A	N/A	✓	~			
-AS	Allows to Fit 1-1/4-18 Industrial Thermowell	✓	~	~	N/A			
TAG OPTION								
-TS	Stainless Steel Tag (1-10 Characters)	✓						
-TM	Stainless Steel Tag (11-80 Characters)	✓						
-TP	Paper Tag	✓						

✓ Indicates that the option is available with this model.

N/A Indicates the option is not available with this model.

STD Indicates standard options with no additional cost.