Sanitary RTD Sensor: Series RDW Sealed Wire-Out Cable

REOTEMP INSTRUMENTS Measuring your world since 1965

REO*TEMP*'s Sanitary RTD sensors are specifically designed for direct insertion into sanitary process applications when a standard thermowell is not specified or the process environment is not exposed to pressure. Sanitary RTD's are ideal for food, beverage, and pharmaceutical industries.



FEATURES / BENEFITS

- ° 3A approved wetted surfaces (32 Ra max.)
- ° 3A certificate provided
- ° Sanitary tri-clamp design
- ° 316SS wetted materials
- ° Fully sealed for washdown (IP67)
- Calendar-Van Dusen coefficients available for optimized sensor accuracy (Hi accuracy curve plot option)





Standard Lead Time 5-7 Days

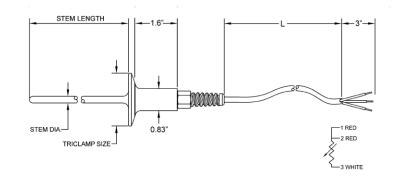
SPECIFICATIONS

RTD: 100 ohm Pt., 0.00385 Ω /0°C, 3-wire or 4-wire ACCURACY: Class A, C = ± (0.15 + 0.0028*(t)) [-100/400°C only] 1/10 Din B, C = ± 1/10(0.3 + 0.005*(t)) [0-100°C only] TEMPERATURE RANGE: -328°F/600°F PROCESS CONNECTION: Tri-clamp (std); various sizes. STEM LENGTH: 2" to 36" std lengths; custom lengths available. STEM DIAMETER: Straight stems 1/4", 3/8", 3/16", 1/8" Reduced stems 3/8" reduced to 3/16" tip 1/2" reduced to 1/4" tip WETTED FINISH: Ra20 - Ra32 max., Ra20 max. (optional) STRAIN RELIEF: Nylon spring WIRE TYPE: Teflon insulated, 24 AWG, stranded PVC insulated, 24 AWG, stranded Teflon insulated, 24 AWG, stranded with aluminum mylar shield and drain wire

INSTRUMENTS

HOW TO ORDER

RDW 120	Т	S	— <u>T15</u>	A	020	- A	S3	-
Wire Length <u>Wire Length</u> "Specify length in inches	Wire Type: T = Teflon Insulated (std) P = PVC Insulated A = Teflon w/ Al/Mylar Shield/Drain	Wire Termination: S = Stripped (std) L = Spade Lugs T = Terminal Pins M = Copper Crimps	Process Connection: T15 = 1.5" Tri-Clamp (std) T20 = 2" Tri-Clamp T35 = 2.5" Tri-Clamp T30 = 3" Tri-Clamp T40 = 4" Tri-Clamp T75= 3/4" Tri-Clamp	Stem Style: <u>Straight Stems</u> A = 1/4° dia. (std) F = 3/8° dia. D = 3/16° dia. H = 1/8° dia. Reduced Tip Stems B = 3/8° dia. reduced to 3/16° tip C = 1/2° dia. reduced to 1/4° tip E = Special HTST Fast-Response 3/8° dia. reduced to 3/16° tip	Stem Length: 020 = 2" Stem 030 = 3" Stem 040 = 4" Stem 090 = 9" Stem 120 = 12" Stem 120 = 12" Stem 140 = 24" Stem 240 = 24" Stem 360 = 36" Stem "Other stems available up to 72".	RTD Tolerance 100 ohm 385 Curve: A = Class A (std) T = 1/10 B	Element: Single (one element) S3 = Single 3-Wire S4 = Single 4-Wire Dual (two elements) D3 = Dual 3-Wire D4 = Dual 4-Wire	Options: - = None TS = Stainless Steel Tag RA = RA 20 Max Wetted Finish w/ Cert AC = Hi Accuracy Curve Plot Cal Certs R3 = Cal Cert, 3 pt (0°F, 100°F, 190°F) L3 = Cal Cert, 3 pt (32°F, 100°F, 150°F) R1 = Cal Cert, 1 pt (150°F) L1 = Cal Cert, 1 pt (150°F) L1 = Cal Cert, 1 pt (customer picks pt) C1 = Cal Cert, 1 pt (customer picks pt)



Tri-Clamp Size	"D" Diameter			
III-Claimp Size	in	(mm)		
3/4"	0.98	(25.0)		
*1.5"	1.98	(50.4)		
2"	2.52	(63.9)		
2.5"	3.05	(77.4)		
3"	3.58	(90.9)		
4"	4.68	(118.9)		

*1.5" tri-clamp fits 1.5" and 1" tri-clamp fittings