

Sanitary RTD Sensor: Series RDW Sealed Wire-Out Cable

REOTEMP'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.



Made in U.S.A.

Standard Lead Time 5-7 Days

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)

SPECIFICATIONS

RTD: 100 ohm Pt., 0.00385 $\Omega/0^{\circ}\text{C}$, 3-wire or 4-wire

ACCURACY: Class A, C = $\pm (0.15 + 0.0028^*(t))$ [-100/400 $^{\circ}\text{C}$ only]

1/10 Din B, C = $\pm 1/10(0.3 + 0.005^*(t))$ [0-100 $^{\circ}\text{C}$ only]

TEMPERATURE RANGE: -328 $^{\circ}\text{F}$ /600 $^{\circ}\text{F}$

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

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Sealed Wire-Out Cable

HOW TO ORDER

RDW	120	T	S	T15	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 T25 = 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. <u>Reduced Tip Stems</u> 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 060 = 6" Stem 090 = 9" Stem 120 = 12" Stem 180 = 18" 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: <u>Single (one element)</u> S3 = Single 3-Wire S4 = Single 4-Wire <u>Dual (two elements)</u> 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 <u>Cal Certs</u> 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 (100°F) C3 = Cal Cert, 3 pt (customer picks pts) C1 = Cal Cert, 1 pt (customer picks pt)	

Tri-Clamp Size	"D" Diameter	
	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

