REOCLICK™ SANITARY RTD

Reotemp's patented ReoClick™ makes disconnecting and reconnecting your temperature sensor a snap, literally. With the click of a button, your temperature sensor is released from the female tri-clamp allowing it to be quickly placed into a temperature bath for a calibration check and then securely snapped back into place, in a matter of seconds. The ReoClick replaceable element design also allows the sensor to be easily replaced with minimal downtime.

Clicks Into Place ▶

Patented US Patent D769137

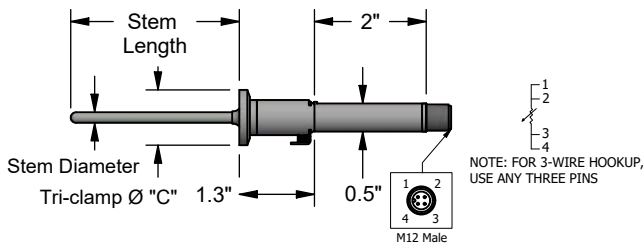Certified | Hi-Vibe™ | Hi-Accuracy™ | Made in USA
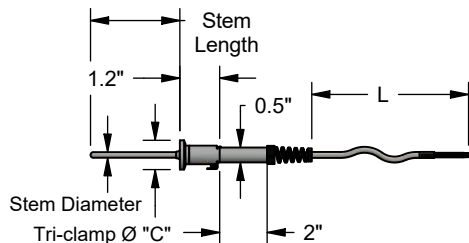
FEATURES / BENEFITS

- 3-A Approved Wetted Surfaces (32 Ra max.) with 3-A Certificate Provided
- Connect/disconnect Sensor with a Click of a Button for Easy Calibration
- Fully Sealed for Washdown (IP67)
- Sealed Spring Loaded Sensor can be Placed Directly into Calibration Bath
- Callendar-Van Dusen Coefficients Available for Optimized Sensor Accuracy (Hi-Accuracy™ Curve Plot Option)

SPECIFICATIONS

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]
RTD	100 ohm Pt., 0.00385 Ω/Ω°C, 3-wire or 4-wire
Temperature Range	-328°F/400°F
Process Connection	Tri-Clamp: 1.5", 2", 2.5", 3", 4" or 3/4"
Wetted Finish	Ra 32 Max. / Ra 20 Max.(Optional), Electropolish (Optional)
Stem Length	2" to 36" std lengths; custom lengths available.
Straight Stem Diameters	1/4", 3/8", 3/16"
Reduced Stem Diameters	3/8" reduced to 3/16" tip, 1/2" reduced to 1/4" tip
Wire Type	Teflon insulated 24 AWG stranded, PVC insulated 24 AWG Stranded, or Teflon insulated 24 AWG Stranded with Aluminum Mylar Shield and Drain Wire

Stem Length — 2" — Stem Diameter — Tri-clamp Ø "C" — 1.3" — 0.5"

1 2 3 4
NOTE: FOR 3-WIRE HOOKUP, USE ANY THREE PINS

1 2 4 3
M12 Male

M12 Output

Stem Length — 1.2" — 0.5" — L — Stem Diameter — Tri-clamp Ø "C" — 2"

Wire Output

SANITARY

Sanitary RTD

REOTEMP
INSTRUMENTS

REOCLICK™ SANITARY RTD

RSR	A	S3	D	025	T75
MODEL	**RTD ACCURACY**	**ELEMENT**	**STEM DIAMETER**	**STEM LENGTH**	**PROCESS CONNECTION "C"**
RSR = ReoClick Sanitary RTD	**A** = Class A ,100Ω, 385 Curve(Standard) **T** = 1/10 B, 100Ω, 385 Curve	*Single Element* **S3** = Single 3-Wire **S4** = Single 4-Wire	*Straight Stems* **A** = 1/4" Diameter **D** = 3/16" Diameter (Standard) **F** = 3/8" Diameter	**025** = 2.5" 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 **???** = Length in inches up to 72"	**T15** = 1.5" Tri-Clamp **T20** = 2" Tri-Clamp **T25** = 2.5" Tri-Clamp **T30** = 3" Tri-Clamp **T40** = 4" Tri-Clamp **T75** = 3/4" Tri-Clamp

MP	[ ]	[ ]	[ ]	-TS
OUTPUT CONNECTION	**WIRE LENGTH (OPTIONAL)**	**WIRE TYPE (OPTIONAL)**	**WIRE TERMINATION (OPTIONAL)**	**OPTIONS**
WC = Wire Cable **MP** = M12 Plug **MF** = M12 with Female Connector Only **MW** = M12 with Female Connector and Wire	*Specify only when WC or MW outputs are chosen.* **???** = Wire Length in Inches, Example: 072 = 72".	*Specify only when WC or MW outputs are chosen.* **T** = Teflon Insulated (Standard for WC Output) **P** = PVC Insulated (Standard for MW Output) **A** = Teflon w/ Aluminum Mylar Shield and Drain	*Specify only when WC or MW outputs are chosen.* **S** = Stripped (Standard) **L** = Spade Lugs **T** = Terminal Pins **M** = Copper Crimps	**-TS** = Stainless Steel Tag **-RA** = Ra 20 Max Wetted Finish with Certificate **-R3** = Calibration Certification, 3 Points (32°F, 100°F, 190°F) **-R1** = Calibration Certification, 1 Point (100°F) **-C3** = Calibration Certification, 3 Points (Customer Picks) **-C1** = Calibration Certification, 1 Point (Customer Picks) *For additional options see page 147.*

SANITARY

Tri-Clamp Size	Diameter "C"	
	in	mm
3/4"	0.984	25
*1.5"	1.984	50.4
2"	2.516	63.9
2.5"	3.047	77.4
3"	3.579	90.9
4"	4.682	118.9

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

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.