

# REOTEMP<sup>®</sup>



## INSTRUMENTS

### FOOD & LIFE SCIENCE INSTRUMENTS



Measuring your world since 1965™

FLSCL-1016

# WHY REOTEMP?



## Exceptional Customer Support

Direct access to our friendly and knowledgeable regional sales teams, product managers, engineers, and product specialists. No phone trees, no frustration.



## Online Product Configurators

Our online product configurators are powerful tools that make specifying temperature and pressure instrumentation quick & easy. Create part numbers, see list pricing, & generate custom engineering drawings in seconds.



## Fast Standard Lead Times



## Expedites Available

| Product              | STD       | Expedite |
|----------------------|-----------|----------|
| RTD Assemblies       | 5-7 Days  | 1 Day    |
| Digital Thermometer  | 5-7 Days  | 1 Day    |
| Bimetal Thermometers | 3-5 Days  | 1 Day    |
| Diaphragm Seals      | 5 Days    | Same Day |
| Pressure Gauges      | 5 Days    | Same Day |
| ReoClick™/Slimline™  | 10 Days   | 3 Days   |
| ReoCube™             | 10 Days   | 3 Days   |
| Thermowells          | 1-10 Days | Same Day |



REOTEMP is a globally recognized ISO 9001:2008 registered company that has been **manufacturing in the USA since 1965.**



The **Hi-Vis™** dial is an optional feature on REOTEMP pressure and temperature gauges. Hi-Vis dials can improve safety by increasing the visibility of dial gauges in low-light environments and from a distance. It can also be used to highlight critical process lines or dangerous areas.



REOTEMP's proprietary diaphragm seal feature, **Pulse Plus™** dramatically reduces the effects of pulsation on mechanical pressure gauges. It increases gauge lifespan and improves safety.



**Hi-Vibe™** is an optional feature on many of our RTD sensors. It's a proprietary sensor design that significantly improves lifespan and helps to maintain calibration in high vibration environments.



**Hi-Accuracy™** is an optional feature on many of our RTD sensors. REOTEMP uses high-end fixed point calibration cells to determine precise coefficients for the sensor you purchase. You will later input these values into your transmitter. Once the precision coefficients are entered, your sensor will be roughly 5 times more accurate!

# SANITARY SLIMLINE™

REOTEMP's SlimLine™ Sanitary Temperature sensor is a compact, rugged sensor perfectly suited to applications where space is limited. Available with or without a transmitter, the fully sealed design keeps out any water, liquids, or contaminants. It's perfect for applications where the sensor is exposed to the elements or equipment is washed down.

- Minimal Installation Space Required
- High Vibration & Shock Resistance
- Hermetically Sealed (NEMA 7, IP67)
- All-Welded 316SS Construction



**Sealed Cable**



**M12 Connector**

RTW 4-20 mA  
Transmitter with  
Sealed Cable

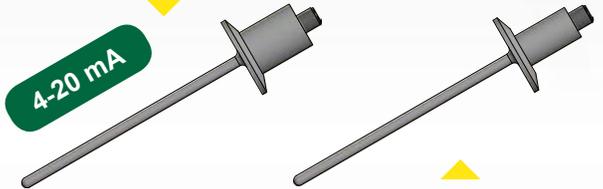
4-20 mA



RDW Sealed Cable  
with Ohm Output

RTP 4-20 mA  
Transmitter with M12  
Quick Connect Plug

4-20 mA



RDP with M12 Quick  
Connect Plug with  
Ohm Output

## M12 Connector vs. Wire Out

The **M12 Plug** allows you to quickly and easily connect process wiring. REOTEMP offers a choice of the mating connector with or without attached wiring.

**Sealed Cable** assemblies allow you to wire directly to your PLC or transmitter. These units come standard with a nylon relief spring for added protection of the extension wires.



## REOCLICK™

Patent  
Pending

CLICK



RCP REOCLICK  
Removable element  
with M12 Plug



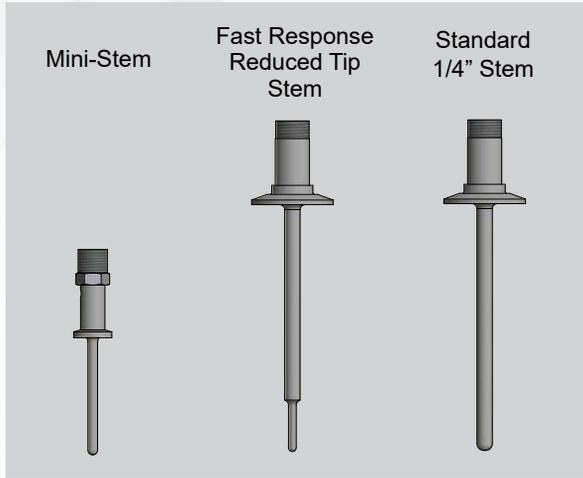
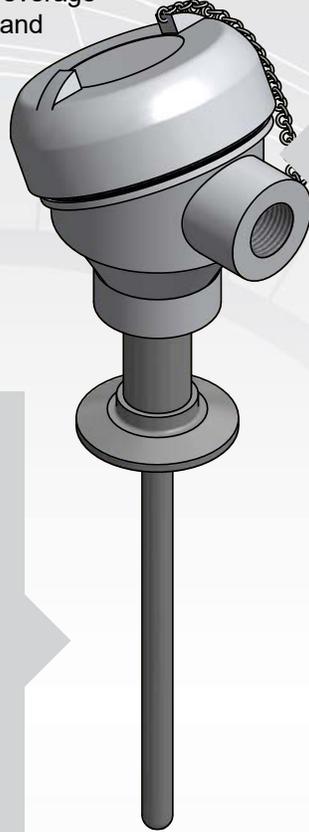
RCW REOCLICK  
Removable element  
with Sealed Cable

- Disconnect and re-connect the temperature sensor with the click of a button.
- Sealed sensor can be placed directly in a calibration bath.
- Maintains process pressure when disconnected.

# RTD HEAD ASSEMBLIES

REOTEMP's Sanitary RTDs are designed for temperature sensing in pharmaceutical, biotech, food, dairy, beverage and other applications where sensor corrosion and product contamination are critical factors.

- Ideal for CIP (clean-in-place) or SIP
- All Wetted Parts Highly Polished to Exceed 3-A Requirements
- Tri-Clamp® Design
- 3-A Certificate Included with Each Product



*RTD Head Assemblies Offer a Variety of Stem and Termination Options*

# CUSTOM SOLUTIONS

## ReoCube™

REOTEMP's ReoCube™ Isolation Bottles were developed to monitor the temperature of ultra low freezers or refrigerators. By submerging the temperature sensor(s) in liquid, the ReoCube™ ensures the temperature readings will not be thrown off when the freezer door is opened and ambient air rushes in.



## Ultra-thin Cryogenic Flexible Probe

A Biotech customer required a probe with an extremely small diameter (0.050"), nearly instant response time and a flexible stem to monitor skin graft tissue in a cryogenic environment. Previous competitive probes were not flexible enough and damaged the temperature element. REOTEMP's engineering team designed a new probe within 3 weeks and with nearly instant response times.



"The probes were outstanding! I had excellent results in the first run with your newly designed probe!  
- Manufacturing Support Engineer

## SANITARY THERMOMETERS



4-20mA Output Available



Certified



Fillable



Custom Logo



Dials

## SANITARY PRESSURE



- Specifically Designed to Exceed Demanding 3-A Requirements
- All Welded 316SS Tube, Socket, Seal and Diaphragm
- Ideal for Clean-in-Place or Equipment Washdown
- Models Available for Autoclaving and Pulsation Service



Certified



Fillable



Custom Logo



Dials



B40.100

## DIAL CUSTOMIZATION



Color Band

Color Pie

Custom Logo

Available on mechanical temperature and pressure gauges.

## THERMOWELLS

- Remove an Instrument without Dropping Pressure or Losing the Contents of the Process
- Recommended for Pressurized Systems
- Easy-to-clean Ra 32 or Better Surface Finish
- Customizable to Your Process with a Variety of Stem, Bore and Material Options



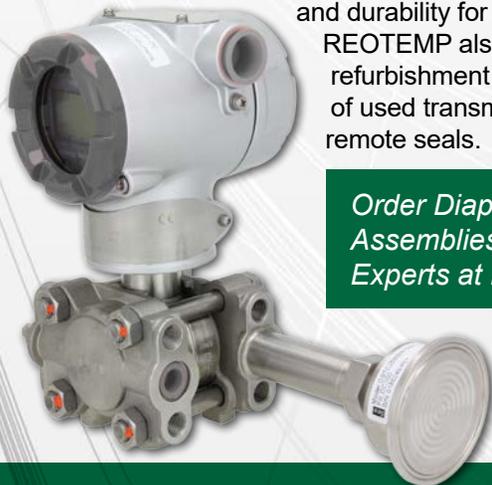
Certificate Included



## TRANSMITTER SEAL ASSEMBLIES

REOTEMP can assemble a diaphragm seal system to virtually any make or model transmitter. Every transmitter mount includes features to ensure superior performance and durability for every assembly. REOTEMP also offers repair, refurbishment or replacement of used transmitters with remote seals.

Order Diaphragm Seal Assemblies from the Experts at REOTEMP



## PRESSURE TRANSMITTER & SWITCH



- Local Display with Switching Output and Analog Output (mA or Vdc)
- 316 Stainless Steel Wetted Parts
- Available with or without Sanitary Tri-Clamp Fitting
- M12 Quick Connector Plug



IP67 Washdown Cover Option

## HAND HELD TEMPERATURE PROBE

REOTEMP's Hand Held Multi-purpose Thermometer is a high accuracy thermometer used to spot check various process media commonly found in the brewing and food & beverage industries. It has a rugged all stainless steel construction and a built-in handle for ease of handling and extra protection.



- Easy to Read 4 Digit LCD Display
- High Accuracy Class A RTD (0.06%)
- Water Resistant IP67/NEMA 4X
- Stem Lengths 24" to Over 96"
- -328°F to 1112°F (-200°C to 600°C)
- Fast Response Stem

## SANITARY DIAPHRAGM SEALS

REOTEMP's Sanitary Diaphragm Seals are ideal for applications in the food and beverage, dairy, and pharmaceutical industries. REOTEMP will mount and fill a variety of instruments to sanitary seals including Digital Pressure Gauges, Transmitters, and Switches. All Sanitary Diaphragm Seal Assemblies manufactured by REOTEMP are 3-A Certified.



## CALIBRATION & CERTIFICATION SERVICES



REOTEMP uses a combination of fixed point temperature calibration cells and fluid-filled calibration equipment to perform temperature calibrations from -321°F to 2,372°F (-196°C to 1,300°C). REOTEMP also offers pressure calibrations from inches of water up to 30,000 psi. Our friendly and knowledgeable calibration technicians will ensure your instruments have the accuracy required for your application.

- NIST-traceable Calibration Certificates
- 3-A Certificates and Material Traceability
- Mill Test Reports and PMI

# REOTEMP®

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