

INSTRUMENTS

THERMOCOUPLE & RTD

SUNTIR BOUS

LdN Z/L

REOTEMP

REOTEMP is a globally recognized ISO 9001:2008 manufacturer of temperature and pressure instrumentation. REOTEMP sells through a mature distribution network that reaches all 50 states and 30 countries worldwide.

NAHEN

Our reputation is built on high quality products, quick standard lead times, and exceptional customer support. We're dedicated to providing our customers with complete satisfaction, from the first phone call to the design and quality of the instrument they receive.









Measuring your world since 1965[™]



WHY REOTEMP?



Customer Support

Direct access to our friendly and knowledgeable inside sales team, product managers, engineers, and product specialists.



Online Product Configurator Visit www.REOTEMP.com for Pricing, Lead Time, Photos, 2D Drawings and 3D Models, and Quotes.





5-7 Day Standard Lead Time Call for specific lead times.



Expedites Available Call for specific lead times.



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.

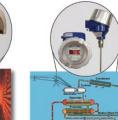


Hi-Accuracy[™] is an optional feature on many of our RTD sensors. REOTEMP uses high-end fixed point calibration cells to determine precise coefficients for the sensor you purchase. You will later input these values into your transmitter. Once the precision coefficients are entered, your sensor will be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

APPLICATION SPECIFIC SOLUTIONS











MARKETS / MAJOR CUSTOMERS



HEAD ASSEMBLIES





 Large Head Selection (Explosion Proof, Corrosion) Resistant, Economical, ATEX, FM, CSA, IECEx, IP65 or Greater, NEMA 4X)

Hi-Vibe[™]

A transmitter can be added inside the head (HART or 4-20mA)

FLAMEBLOCK™

· LED Display Available

Z-TEMP™



The Z-Temp[™] temperature transmitter is perfectly suited for applications where an explosion-proof sensor with a digital readout is required, but all of the extra features of a smart transmitter are not.

Features/Benefits:

- The Core Functionality of a Fully Featured Smart Transmittter at a Fraction of the Cost.
- Bright Red, Easy-to-read LED Display
- Explosion Proof Housing
- FM, CSA, ATEX, EExd, IP68, NEMA 4X
- 4-20 mA output, HART Available

The FlameBlock[™] sensor improves safety by eliminating a flame path out of the head, while maintaining a spring loaded stem for positive thermowell contact.

Hi-Vibe"

● Hi-Accuracy[™]

● Hi-Accuracy

Features/Benefits:

- **CSA** Certified
- Spring Loaded Sensor without Direct Flame Path from the Head
- RTD or Thermocouple
- Class I, Div. 1, Gr A, B, C, & D

STEM ASSEMBLIES

● Hi-Accuracy[™]



- Come in a Wide Variety of Styles and Terminations
- **Customized to Your Process** or Application

Cut-to-Length Sensors

- Field Cuttable
- · Cut to length using tube cutter.

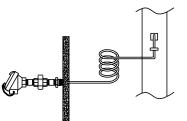


WELD PAD THERMOCOUPLES



Full line of standard and custom weld pad thermocouples.

Allows a temperature sensor to be welded directly onto piping or other metal surfaces.





Applications/Markets:

- Fired Heater Tubes
- Steam Super Heaters, Cokers, Re-Heaters & Drums
- Boilers & Furnaces in Refineries. Power Plants & Processors
- Industrial Boilers & Heat Exchangers
- Vessel Surfaces



PROTECTION TUBES

Ceramic protection tubes are used in high temperature applications where a traditional thermowell would not be able to withstand the extreme temperatures.

Metal tubes are used in applications where corrosion is a concern. They are also used for their economical price point when compared to thermowells.

Large stock of Noble Metals (R & S)



Metal Sheath Materials 304SS Carbon Steel 316SS

Inconel 600

Ceramic Sheath Materials

Mullite	
Alumina	

MAX TEMP 2,700° F 3,400° F

Hi-Vibe[™] O Hi-Accuracv[™]

HANDHELD PROBES

REOTEMP Handheld Probes come in a wide variety of shapes and styles. REOTEMP has made a number of probes for specific applications or to meet a customers unique needs.

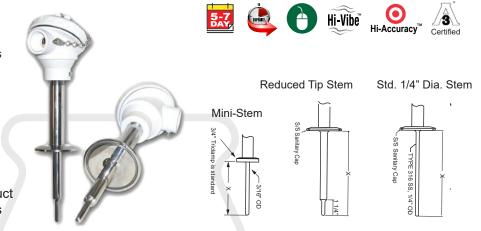


SANITARY PRODUCTS

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

Features/Benefits:

- · 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
- Variety of Stem and Termination Options



Sanitary SlimLine™

REOTEMP's SlimLine[™] Sanitary Temperature Transmitter is a compact, rugged transmitter perfectly suited to applications where space is limited. The fully sealed design keeps out any water, liquids, or contaminants. It's great for applications where the transmitter is exposed to the elements or equipment is washed down.

Features/Benefits:

- · Minimal installation space required
- High vibration & shock resistance
- Hermetically sealed (To NEMA 7, IP67)
- All-Welded 316SS construction

ReoClick[™]

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

Wire Out & Plug Assemblies

RDP M12 Plug assemblies allow for a quick and easy connection of the process wiring. Choice of the mating connector with or without attached wiring available.

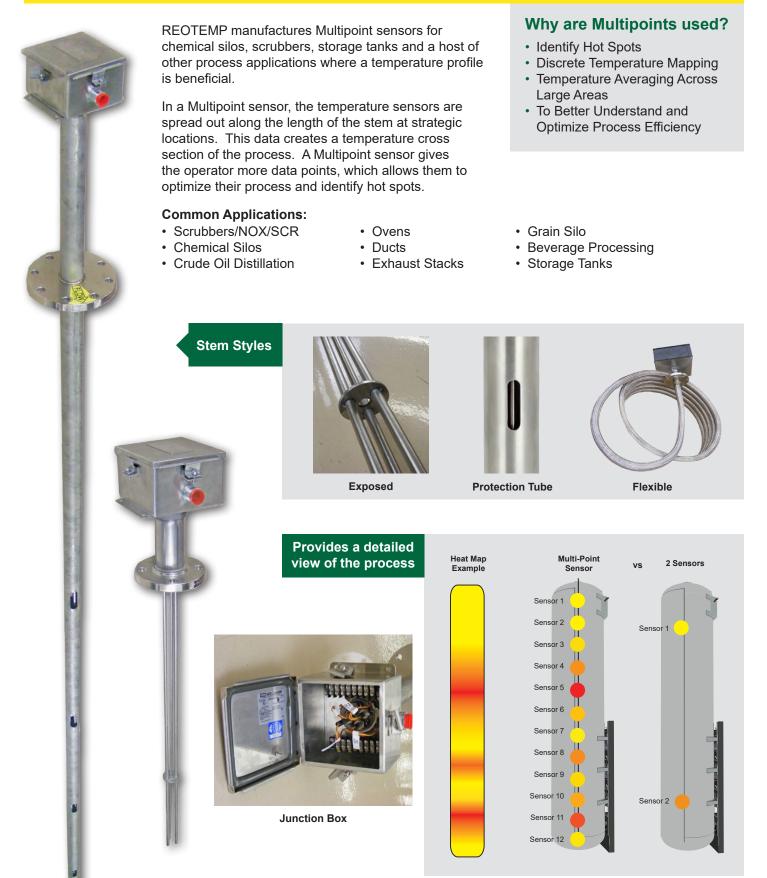
RDW Sealed Cable assemblies allow you to wire directly to your PLC or transmitter. These units come standard with a nylon relief spring for added protection of the extension wires.

ReoCube[™]

REOTEMP's ReoCube[™] Isolation Bottles are used to monitor the temperature of ultralow freezers or refrigerators. By submerging the temperature sensor(s), the ReoCube[™] ensures the temperature readings will not be thrown off when the freezer door is opened and ambient air rushes in. CLICK V Pe

Patent Pending

MULTIPOINT SENSORS



SLIMLINE[™]

REOTEMP's SlimLine Temperature Transmitter is a compact, rugged transmitter perfectly suited to applications where space is limited.

Features/Benefits:

- Minimal installation space required
- High vibration & shock resistance
- · Hermetically sealed (To NEMA 7, IP67)
- All-Welded 316SS construction



TURBINE SENSORS

REOTEMP provides a wide-range of turbine sensors to the power generation industry. Below are some of the more common types of turbine sensors REOTEMP manufactures. Contact us with your specific application and needs. Flashback Thermocouples

● Hi-Accuracy Hi-Vibe[™]

Hi-Vibe[™]

Hi-Accuracy

Blade Path Thermocouples

Bearing Thermocouples

REOTEMP Turbine Sensors Characteristics:

- Long Life Span
- · Vibration Resistant
- · Durable Design







THERMOWELLS

REOTEMP Threaded Thermowells make it possible to remove an instrument without dropping pressure or losing contents of the process. Thermowells also protect the instrument from getting bent by the process media.





Available Options:

- Wake Frequency
- Hydrostatic Test
- Full Penetration Welding
- NACE Certified
- Online configurator provides you detailed drawing of a matched thermowell and sensor.
- Custom and standard thermowells
- Large Stock

DUAL MODE THERMOMETERS



Bimetal Thermometer (Local Reading)

RTD, Thermocouple or 4-20 mA Transmitter (Remote Reading)

- · Mechanical reading locally and an electrical reading remotely
- · Redundant temperature sensing increases safety
- · 2 independent sensors in 1 stem

ACCESSORIES



This product is available in a mil-spec approved model that is build to withstand tough shock and vibration environments (MIL-STD-167-1A and MIL-S-901D).



Connection Heads





Transmitters (in-head)

- · Calibration software available
- (HART, Profibus, Fieldbus or analog 4-20mA)





Plugs & Jacks



RTD & TC Wire





CALIBRATION & CERTIFICATION SERVICES



REOTEMP uses a combination of fixed point calibration cells and fluidfilled calibration equipment to perform sensor calibrations from -196° C to 1,300° C. Our friendly and knowledgeable calibration technicians will ensure your sensors have the accuracy required for your application.

- Certificate of Conformance (General conformance to published specs)
- Certificate of Calibration (Includes logged points and sticker)
- · 3A Sanitary Certificates
- · Compliance and material certs for all wetted components



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