



RTD Industrial  
Transmitter



RTD 3A Sanitary



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# RTD's Industrial



**NEMA 4**



## Description

Winters Resistance Temperature Detectors are used when sensitivity and application flexibility is of high priority. The platinum resistance elements are supported by high temperature glass adhesive inside a ceramic tube, providing stability, repeatability and accuracy. The Industrial RTD is, also beneficial when accurate readings are needed in various ranges. The Industrial RTD probe is available in lengths from 2 1/2" to 6" \* and is made of stainless steel. The head materials are available in stainless steel or aluminum. An installed and calibrated 4-20 mA transmitter is, also, available by request. Customized stem lengths are available through custom orders.

## Specifications

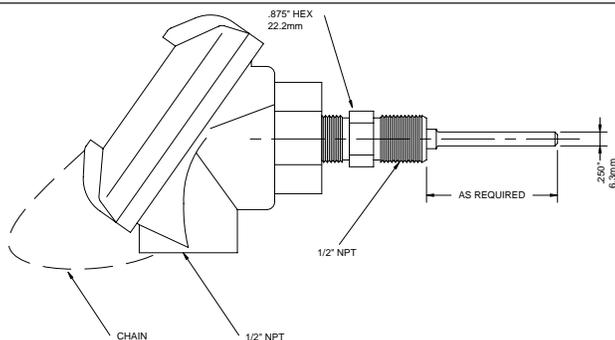
|                           |   |
|---------------------------|---|
| <b>Head:</b>              | Cast aluminum or stainless steel.<br>NEMA 4 rated           |
| <b>Element:</b>           | Platinum, 100 Ohm, AISI 316<br>stainless steel probe sheath |
| <b>Temperature Range:</b> | -58-390F (-50-200C)   |
| <b>Pressure Rating:</b>   | 500 psi (3447 kPa maximum)                                  |
| <b>Connection:</b>        | AISI 316 stainless steel, 1/2" NPT                          |
| <b>Lead Wires:</b>        | AWG 22, teflon insulated                                    |
| <b>Accuracy:</b>          | 0°C (32F) +/- 0.12%   |

## How to order: Specify product code PRODUCT CODES

| Stem size | Head Material   | Code     |
|-----------|-----------------|----------|
| 2 1/2"    | Aluminum        | EIA11025 |
| 2 1/2"    | Stainless Steel | EIS12025 |
| 4"        | Aluminum        | EIA11040 |
| 4"        | Stainless Steel | EIS12040 |
| 6"        | Aluminum        | EIA11060 |
| 6"        | Stainless Steel | EIS12060 |

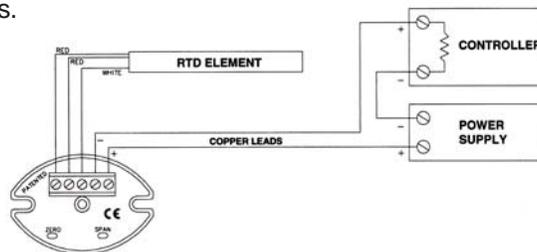
### Options:

Other stem lengths and configurations are available upon request. 4-20mA temperature transmitter installed and calibrated: add the temperature range as a suffix to the product code. (eg. EIS12060 0/100°F).



### Wiring

The terminal block on the transmitter can accept wire from 14 to 24 gauge. Shielded or conduit encased (twisted pair) cable is required from the transmitter to the controller, including the sensing element and lead wire. Note that low voltage lines should be run in separate conduit isolated from high voltage or high current carrying lines.



## Output Options (if transmitter is required)

Please add output options to product code:

4-20mA



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# RTD's 3A Sanitary



## Description

Winters' 3A Sanitary RTDs are used in environments where sanitary requirements are of high priority. The Sanitary RTD has a temperature range of -58°F to 390°F (-50°C to 200°C).

The 316-grade stainless steel probe is available in lengths from 2½" - 6"\* (custom lengths are available by request). The head can be made from polypropylene or stainless steel depending on the application. An installed and calibrated 4-20 mA transmitter is available by request.

### Options\*

- Other stem lengths and configurations are available upon request
- 4-20mA Transmitter.

## Specifications

|                               |   |
|-------------------------------|---|
| <b>Head:</b>                  | Polypropylene and AISI 316 stainless steel are standard, cast aluminum is available. NEMA 4X rated. |
| <b>Probe:</b>                 | AISI 316 stainless steel, ¼" diameter with #4 finish standard per 3A standard 09-08                 |
| <b>Pressure Rating:</b>       | 500 psi (3,477 kPa) maximum   |
| <b>Element:</b>               | Platinum  |
| <b>Connection:</b>            | AISI 316 stainless steel, polished, 1½", 2" and 2½" and 3" Tri-clamp® connection standard           |
| <b>Temperature Range:</b>     | -58°F to 390°F (-50°C to 200°C)   |
| <b>Leadwires:</b>             | AWG22, teflon insulated standard  |
| <b>Insulation Resistance:</b> | 100 megohms minimum at 500VDC   |
| <b>Accuracy:</b>              | 0°C (32F) +/-0.12%  |

® Tri-clamp is a registered trademark of Tri-Clover.



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# RTD's 3A Sanitary

## How to order: Specify product code

eg.: RTD sanitary sensor, 2" Tri-Clamp, polypropylene head, 6" long probe = #ET12060.

## PRODUCT CODES

| Tri-Clamp®    | 1 1/2"  |         | 2"      |         | 2 1/2"  |         | 3"      |         |
|---------------|---------|---------|---------|---------|---------|---------|---------|---------|
| Head Material | Polypro | St/St   | Polypro | St/St   | Polypro | St/St   | Polypro | St/St   |
| 2 1/2" stem   | ET11525 | ET21525 | ET12025 | ET22025 | ET12525 | ET22525 | ET13025 | ET23025 |
| 4" stem       | ET11540 | ET21540 | ET12040 | ET22040 | ET12540 | ET22540 | ET13040 | ET23040 |
| 6" stem       | ET11560 | ET21560 | ET12060 | ET22060 | ET12560 | ET22560 | ET13060 | ET23060 |

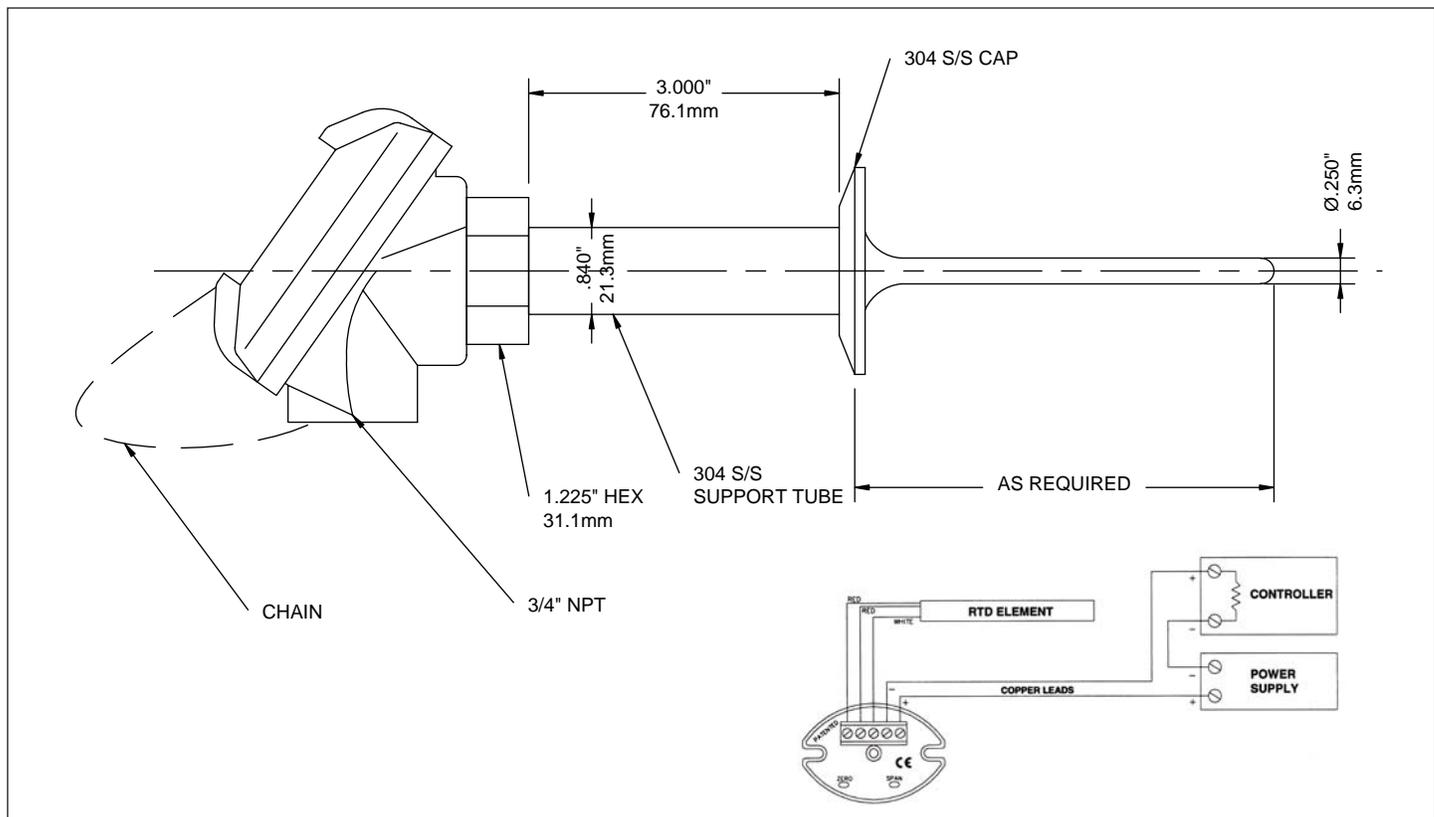
## OUTPUT OPTIONS (if transmitter is required)

Please add output options to product code.  
 4-20mA  
 0-5Vdc  
 0.5-4.5Vdc  
 1-5Vdc  
 0-10Vdc  
 Other outputs available

## Options:

Other stem lengths and configurations are available upon request.

4-20mA temperature transmitter installed and calibrated: add the temperature range as a suffix to the product code.  
 (eg. ET12060 0/100°F).



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