

# RemoteRTD

## Temperature Sensor



The Remote RTD is a small cost effective high accuracy temperature sensor suited for cleanroom applications and for monitoring laboratory equipment where product is stored. Ideal for incubator, oven, fridge and freezer applications in your facility or basic room monitoring and storage facility monitoring for product storage.

With an easy installation and IP65 rated cable outlet and IP65/NEMA 4 enclosure, the Remote RTD is most suitable for cleanroom applications when requiring high protection class. The easy install design enables secure mounting on vertical or horizontal surfaces. Only one CAT 5/6 cable is required for power and communications.

### FEATURES

- Smooth Cover and Cleanroom Friendly Enclosure
- Long Term Sensor Stability
- Easy to Install
- Bayonet Screws for Easy Access  $\frac{1}{4}$  Turn Rotation
- Protected PCB
- IP65/NEMA4 Rating
- Remote Probe Option with Different Cable Lengths
- Small Enclosure with Secure Mounting

# RemoteRTD Sensor Specifications

## Active Output

<b>Operating temperature</b>	remote probe: -30 °C... +105 °C (-22 °F...+221 °F) enclosure: -30 °C... +70 °C (-22 °F...+158 °F)
<b>Sensing element</b>	Pt1000 (class A, DIN EN60751)
<b>Output</b>	4-20 mA
<b>Accuracy</b>	±0.3 °C (±0.54 °F) at 20 °C (68 °F)
<b>Supply voltage</b>	10 V DC + RL x 20 mA < V+ < 35 V DC
<b>for 4-20 mA</b>	
<b>Electromagnetic compatibility</b>	EN61326-1, EN61326-2-3 - Industrial Environment

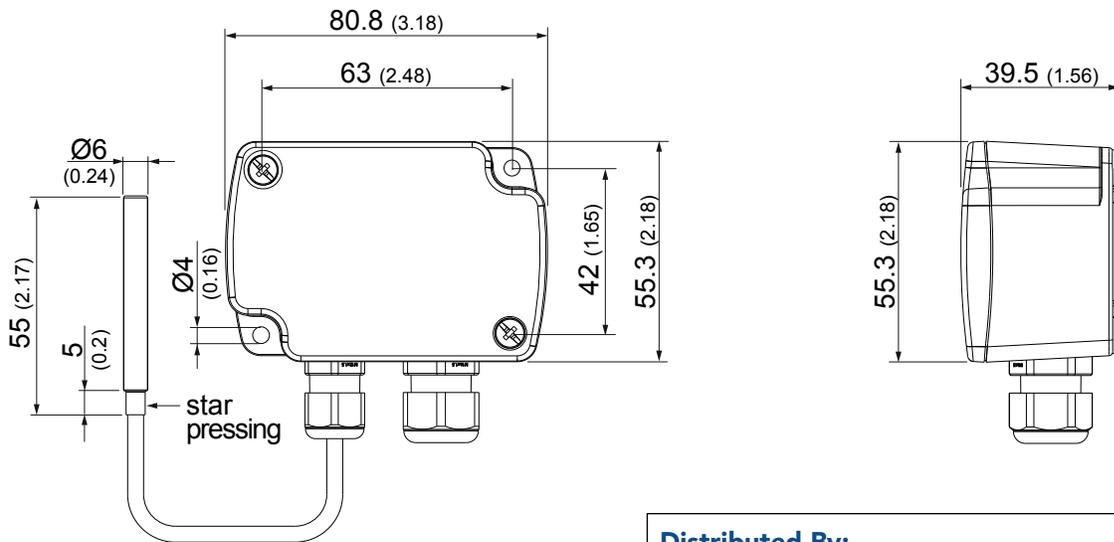
## Passive Output

<b>Operating temperature</b>	-30 °C...+105 °C (-22 °F...+221 °F)
<b>T-Sensor connection</b>	two-wire
<b>Electrical connection</b>	screw terminal, 2x max. 2.5 mm <sup>2</sup> (0.004 in <sup>2</sup> )

## General

<b>Enclosure material</b>	polycarbonate, UL94-V0 approved
<b>Protection class</b>	IP65/NEMA4 (enclosure) IP67/NEMA 4 (remote probe)
<b>Cable gland</b>	M16x1.5, UL94-V2
<b>Hose clamp material</b>	stainless steel (corr. 1.4301 / 304)
<b>Storage temperature</b>	-30 °C...+70 °C (-22 °F...+158 °F)
<b>Working and storage humidity range</b>	5 % rh...95 % rh, no condensation

## Dimensions



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