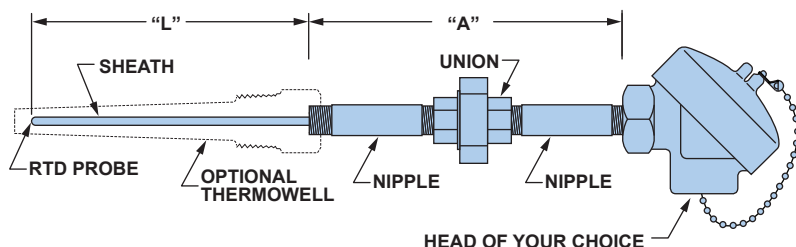


SANDELIUS R.T.D. ASSEMBLIES

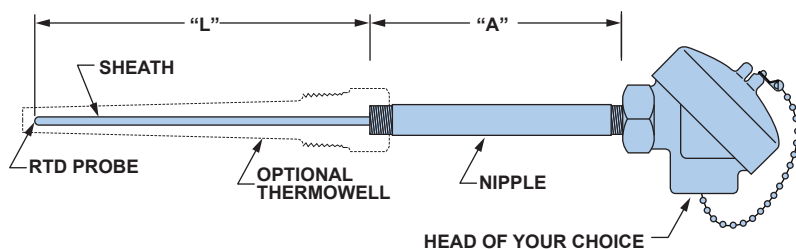
Style R1H – RTD with Nipple - Union - Nipple - Head

Style SR1H – Spring-Loaded RTD with Nipple - Union - Nipple - Head



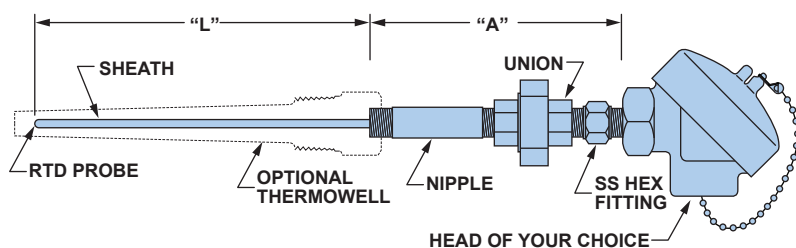
Style R2H – RTD with Nipple - Head

Style SR2H – Spring-Loaded RTD with Nipple - Head

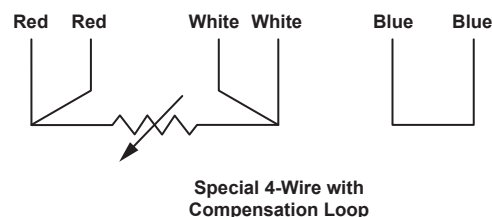
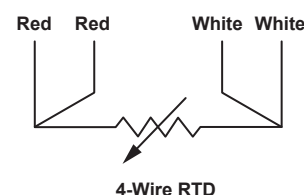
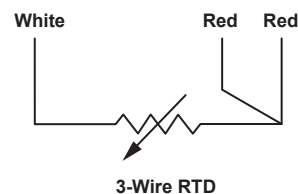
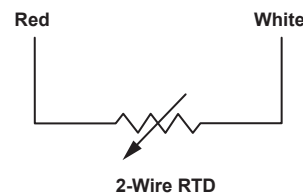


Style R7H – RTD with Nipple - Union - Brazed SS Fitting - Head

Style SR7H – RTD with Nipple - Union - Spring-loaded SS Fitting - Head



RTD Leadwire Configurations



To Order specify:

SR7H-4A3EL-L16-4G6-C46C-(Optional Thermowell*)

Assembly Style	Element See Below	L – Length in inches	Head See Pages A-18 & A-19	See Catalog Section B-2
	Thread Size 4 – 1/2" NPT 6 – 3/4" NPT 8 – 1" NPT		Nipple & Union Material C – Carbon Steel G – Galvanized Steel S – Stainless Steel	Nominal A Length in inches

*To order an assembly complete with a thermowell simply insert the part number of the thermowell from Sandelius catalog Section B. When ordering an assembly complete with a thermowell, the "L" length may be shown as "00" as we will size the element to fit the thermowell.

HOW TO SPECIFY RTD ELEMENTS

4 A 3 E L

Sheath Diameter

- 2 – 1/8"
- 3 – 3/16"
- 4 – 1/4"
- 6 – 3/8"
- 7 – 0.215"

Sheath Material

- A – 316SS
- B – Inconel 600
- C – 304SS

Number of Wires per Element

- 2 – Two Wire
- 3 – Three Wire
- 4 – Four Wire
- 5 – Four Wire Special Compensation Loop

RTD Type

- E - Platinum 100 @ 0° C. α = 0.00385 – Single
- EE - Platinum 100 @ 0° C. α = 0.00385 – Dual
- A - Platinum 100 @ 0° C. α = 0.003916 – Single
- AA - Platinum 100 @ 0° C. α = 0.003916 – Dual
- B - Platinum 100 @ 0° C. α = 0.003902 – Single
- P - Platinum 100 @ 0° C. α = 0.003926 – Single
- R - Platinum 100 @ 0° C. α = 0.003911 – Single
- W - Platinum 100 @ Sama Curve – Single
- N - Nickel 120 @ 0° C. Single
- C - Copper 100 @ 25° C – Single
- Y - Other (Specify at end of part number)

Temperature Range^{2,3} / Construction

- L – -328° F - 500° F with Teflon wire
- K – -328° F - 700° F with Kapton wire
- M – -328° F - 1000° F MgO with Teflon leads
- C – -20° F - 200° F with PVC wire (Recommended for cooling water)
- F – 50° - 700° F with Fiberglass wire
- H – -328° F - 1200° F MgO with Teflon leads, H range comes standard with Inconel 600 sheath material

Notes:

1. Alpha = 0.00385 is the DIN 43760 standard and is the most commonly used.
2. Not all items for which a part number can be made are available in actual fact.
3. The temperature ranges shown are for platinum RTDs.
4. Sandelius RTDs are normally manufactured for use at temperatures above -140° F. If an RTD is intended for use at temperatures below -140° F, this information must be specified on the order so the necessary modifications can be incorporated. (In very special cases, temperatures as low as -434° F are possible).