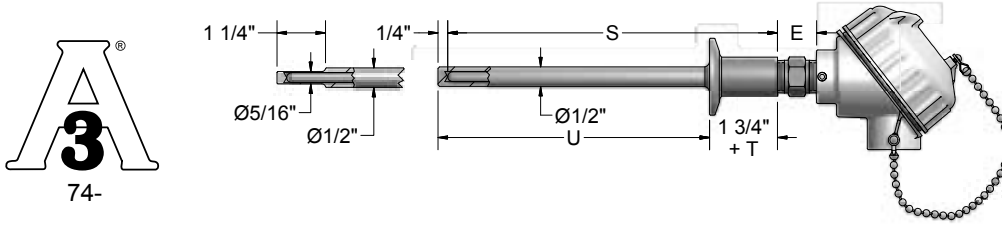


The RTD sensors listed below are constructed with the CIP sanitary-connected cap thermowell, which is then mounted into the process with a clamp and mating sanitary cap. A 3-wire spring-loaded RTD element and sheath is then screwed into the back of the thermowell. This construction method allows for easy removal of both the well and/or the sensor assembly. The well and sanitary cap in contact with the process are all ground and polished to a finish that exceeds the **3-A Sanitary Standard 74-**. Thermowells are supplied with a surface finish that meets or exceeds 32µin R<sub>a</sub>. Surface finishes of 15µin R<sub>a</sub> or better are available upon request.



### ORDER CODES

**Example Order Number:** 1-0 1-1 2 2-1 2-2 2-3 3 4 5  
**R5T185L48 3 - DW4 25 06 08 - SL - 8HN 63**

#### 1-0 Pt100 ( $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$ ) RTD Assemblies

CODE	TOLERANCE <sup>[1]</sup>
<b>SINGLE</b>	
R1T185L48	Grade B
R3T185L48	Class AA
R5T185L48	(1/5) Class B
RAF185L48	Class A
<b>DUPLEX</b>	
R1T285L48	Grade B
R3T285L48	Class AA
R5T285L48	(1/5) Class B
RAF285L48	Class A

[1] Refer to RTD tolerance information in the General Information section for calculations to determine specific tolerance at temperature.

#### 1-1 Element Connection

CODE	DESCRIPTION
3	3-Wire Element
4 <sup>[1]</sup>	4-Wire Element

[1] Not Available in Duplex

#### 2 Well Type

CODE	DESCRIPTION
DW4 <sup>[1]</sup>	0.260" bore straight-stem sanitary well
DR4 <sup>[2]</sup>	0.260" bore reduced-tip sanitary well

[1] Wells with "S" dimensions of 12" or less are supplied with drilled barstock stem. "S" dimensions above 12" will be supplied as tubing and welded tip.  
 [2] Maximum "S" Dimension is 7 1/2"

#### 2.1 Cap Size and Style

CODE	DESCRIPTION
15	1", 1 1/2" Tri-clamp® 16 AMP
25	2" Tri-clamp® 16 AMP
35	2 1/2" Tri-clamp® 16 AMP
45	3" Tri-clamp® 16 AMP

Other styles - sizes available. Consult factory.

Tri-Clamp® is a registered trademark of Alfa Laval, Inc.  
 HART® is a registered trademark of HART Communication Foundation.

#### 2.2 "S" Length

CODE	DESCRIPTION
XX	Specify length in inches using two digits.

#### 2.3 Well Material

CODE	DESCRIPTION
08	316SS

#### 3 Element Style

CODE	DESCRIPTION
SL <sup>[1]</sup>	Spring-loaded element
SC	Self-contained spring-loaded element

[1] Not available with 35, 36, or 37 series Transmitters

#### 4 Head Mounting Fittings

CODE	DESCRIPTION
8HN	316SS hex fitting
8PN(E)	316SS pipe nipple specify E length

#### 5 Terminations

CODE	DESCRIPTION
91	316L stainless steel screw-cover head
63	White polypropylene screw-cover head
31,W	Aluminum screw-cover head with white epoxy coating
35T-642A	(4 to 20) mA HART® Field Transmitter with aluminum general-purpose housing
36T82-D10	(4 to 20) mA dual input HART® transmitter with digital display and general-purpose aluminum housing with glass lid
37T-662A	(4 to 20) mA HART® Field Transmitter with general-purpose aluminum housing

**Head Options**

T-440	(4 to 20) mA head-mounted RTD transmitter
T-441	(4 to 20) mA isolated head-mounted transmitter
T-442	(4 to 20) mA isolated HART® head-mounted transmitter
T82-00	(4 to 20) mA dual input HART® head-mounted transmitter
I	Stainless steel tags (specify tag #)