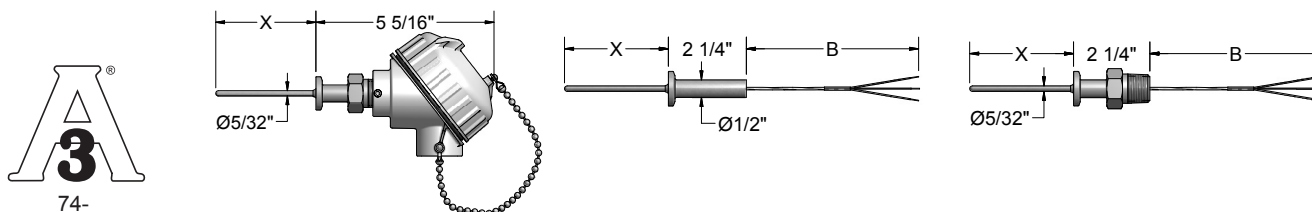


Miniature CIP sanitary RTD temperature sensors are provided with 16AMP sanitary caps to fit 1/2" and 3/4" tube size sanitary fittings. They are used in pharmaceutical, chemical, biotech, R & D laboratory, and food process applications. The sanitary caps are welded to the sheath and to a heavier support tube, all made of 316 stainless steel, and then ground and polished to a finish that exceeds the No. 4 minimum finish required by the **3-A Sanitary Standard 74-**. Assemblies are supplied with a surface finish that meets or exceeds 15µin R_a. The process contact surfaces are free of pits, crevices, and pockets thus preventing corrosion and bacteria growth. All leads are Teflon® insulated to further provide moisture and chemical resistance. The listed sheath lengths provide assurance that the sensing element is properly placed in the flowing medium when used with typical sanitary tees and tube fittings, and the small sheath diameter provides fast temperature response times.



ORDER CODES

Example Order Number: **R1T185L(156)83** - **02** - **CIP** - **075-5** - **02** - **T3T120** - **3**

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

CODE	TOLERANCE ^[1]
R1T185L(156)83	Grade B
R3T185L(156)83	Class AA
R5T185L(156)83	(1/5) Class B
RAF185L(156)83	Class A

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

2 Immersion Length "X"

Specify "X" length in inches using 2 digits, plus any fractional length desired
Examples: 02 = 2", 02(1/2) = 2.5"

3 16 AMP Sanitary Cap Size

CODE	DESCRIPTION
075-5	1/2", 3/4" 16AMP cap Tri-Clamp®

4 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
02	1/2" O.D., 2 1/4" long extension leadwire transition (requires table 5 and 6 selection)
8HP	1/2" NPT 316 SS hex fitting for conduit box or head mounting (use w/lead options from Tbl. 5 and 6)

6 Lead Terminations

CODE	DESCRIPTION
0	Leads not stripped
2	2" split leads, 1/4" stripped
3	2" split leads w/spade lugs
4	Standard plug
6	Miniature plug

Options

CG	1/2" NPT weatherproof nylon cord grip on Teflon® covered flex. armor
HS	Head supplied with wire seal security screws
I	Stainless steel tags
MC	Mating connector
T	Head-mounted transmitter (see Transmitter Section)

5 Extension Leadwire

CODE	DESCRIPTION	TEMP RATING
T3__ ^[1]	Teflon® Insulation - stranded conductor	204 °C [400 °F]
T3T__ ^[1]	Teflon® Insulation - stranded conductor - flexible armor - Teflon®-Coated	204 °C [400 °F]
M3__ ^[1]	Teflon® Insulation - stranded conductor - stainless steel overbraid - Teflon® Insulation	204 °C [400 °F]

[1] Insert 3 digit "B" dimension in inches.

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

Teflon® is a registered trademark of E. I. du Pont de Nemours and Company.