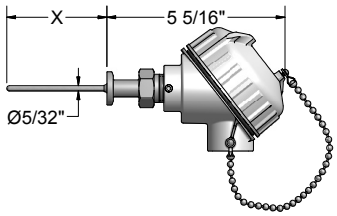
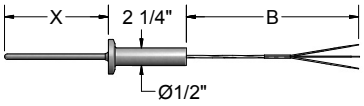
Configuration Code FD04

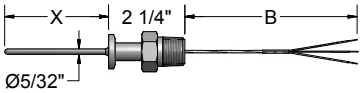
Miniature Sanitary CIP RTD Sensors

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, all made of 316 stainless steel, and then ground and polished to a finish that meets or exceeds 15µin R_a. 3.1 surface finish test reports that list actual finish measurements are available for an additional charge. The process contact surfaces are free of pits, crevices, and pockets thus preventing corrosion and bacteria growth. All leads are fluoropolymer 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)8 3 - 02 - CIP - 075-5 - 02 - T3T120 - 3**

(1-0 = R1T185L(156)8, 1-1 = 3, 2 = 02, 3 = CIP, 4 = 075-5, 5 = 02, 6 = T3T120, 7 = 3)

1-0 Pt100 (α = 0.003 85 °C⁻¹) RTD Assemblies

CODE	TOLERANCE[1]
R1T185L(156)8	Grade B
R3T185L(156)8	Class AA
R5T185L(156)8	(1/5) Class B
RAF185L(156)8	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 [1]	4-Wire Element
[1] Not Available in Duplex	

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
35T 142A	(4 to 20) mA HART® Field Transmitter with aluminum general-purpose housing
36T71-D10	(4 to 20) mA isolated Programmable transmitter with digital display and general purpose aluminum housing with glass lid
36T72-D10	(4 to 20) mA isolated Programmable HART® transmitter with digital display and general purpose aluminum housing with glass lid
36T82-D10	(4 to 20) mA dual input HART® transmitter with digital display and general-purpose aluminum housing with glass lid
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	Cord Grip (1/2" Nylon)
HS	Head supplied with wire seal security screws
I	Stainless steel tags
MC	Mating connector
T31	(4 to 20) mA head-mounted RTD transmitter
T71-00	(4 to 20) mA isolated Programmable transmitter
T72-00	(4 to 20) mA dual input, isolated HART® head-mounted transmitter
T82-00	(4 to 20) mA dual input HART® head-mounted transmitter

5 Extension Leadwire

CODE	DESCRIPTION	TEMP RATING
T3_ _ _ [1]	Fluoropolymer Insulation - stranded conductor	204 °C [400 °F]
T3T_ _ _ [1]	Fluoropolymer Insulation - stranded conductor - flexible armor - FEP coated	204 °C [400 °F]
M3_ _ _ [1]	Fluoropolymer Insulation - stranded conductor - stainless steel overbraid - FEP Insulation	204 °C [400 °F]
[1] Insert 3 digit "B" dimension in inches.		

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