

SPECIAL PURPOSE

MINIATURE SANITARY CIP RTD SENSORS

Copyright © 1993, Pyromation, Inc.

The below listed 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 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 Council Standard #09-08. 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.



Authorized
74-00

Figure 1

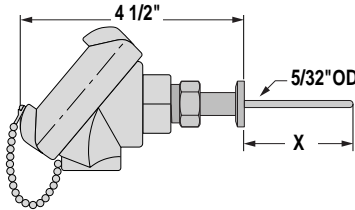


Figure 2

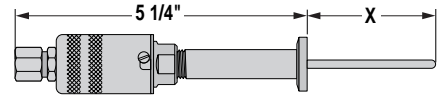


Figure 3

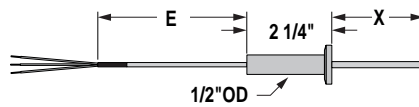
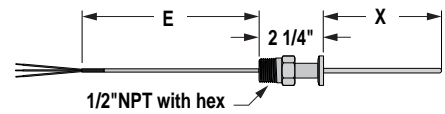


Figure 4



Maximum Temperature Limit: 400°F (204°C)

EXAMPLE
ORDER NUMBER:

R1T185LX8 - 02 - 3 - CIP - 075 - 26 - 3T120 - 3

100 OHM PLATINUM RTD ELEMENTS		
ORDER CODE	TEMP. COEF.	ACCURACY @ 0°C
R1T185LX8	.00385	± .1%
R3T185LX8	.00385	± .03%
R5T185LX8	.00385	± .01%
R1T191LX8	.00391	± .1%
R3T191LX8	.00391	± .03%

2
IMMERSION LENGTH " X "
Specify " X " Length in Inches Using 2 Digits, Plus any Fractional Length Desired
Examples: 02 = 2", 02(1/2) = 2(1/2)"

3 LEAD CONFIGURATIONS	
ORDER CODE	DESCRIPTION
3	3 wire lead
4	4 wire lead

4 16 AMP SANITARY CAP SIZE	
ORDER CODE	DESCRIPTION
050	1/2" sanitary cap size
075	3/4" sanitary cap size

7 LEAD TERMINATIONS	
ORDER CODE	DESCRIPTION
1	Leads not stripped
2	Leads stripped 2" tinned 1/2"
3	Leads stripped 2" w/spade lugs
4	Standard RTD male plug (350°F)
5	Standard RTD male plug with mating jack (350°F)
6	Miniature RTD plug (350°F)
7	Miniature RTD plug with mating jack (350°F)
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

6 LEADWIRE TYPES				
ORDER CODE*	WIRE GA.	LEADWIRE INSULATION		OUTER ARMOR
		EA. COND.	OVERALL JACKET	
3 ___	24	Teflon (TFE)	Teflon (TFE)	None
3T ___	24	Teflon (TFE)	Teflon (TFE)	Teflon Ctd. SS Flex
5 ___	24	Teflon (FEP)	FEP/OB/FEP	None

* Insert 3 digit "E" dimension in inches

5 SHEATH TERMINATIONS		
ORDER CODE	DESCRIPTION	FIG. NO.
63	White polypropylene head	1
63T	White polypropylene head with transmitter (see RTD-11 for ordering information)	
26	Mini. nickel plated head w/armor attachment ftg. (use w/teflon coated flexible armor from Tbl.6)	2
02	1/2" OD 316 SS transition (use with lead options from Tbl. 6)	3
38C	1/2" NPT 316 SS hex fitting for conduit box or head mounting (use with lead options from Tbl. 6)	4