CIP SANITARY RTDS & THERMOCOUPLES

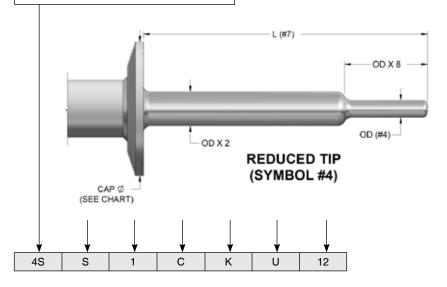
JMS's Clean-in-Place (CIP) Sanitary RTDs and Thermocouples are manufactured to 3-A Standard 74-07 and are specially designed to meet the needs of the food, dairy, beverage, pharmaceutical, chemical, and cosmetic industries. They are ideally suited for a number of applications where corrosion and contamination are factors. They are fabricated from stainless steel or other 3-A accepted material using a method assuring imperfection-free surfaces. All sanitary grade thermocouples are provided to special limits of error. All sanitary RTDs are available in 4 wire construction.



Standard Number 74-07

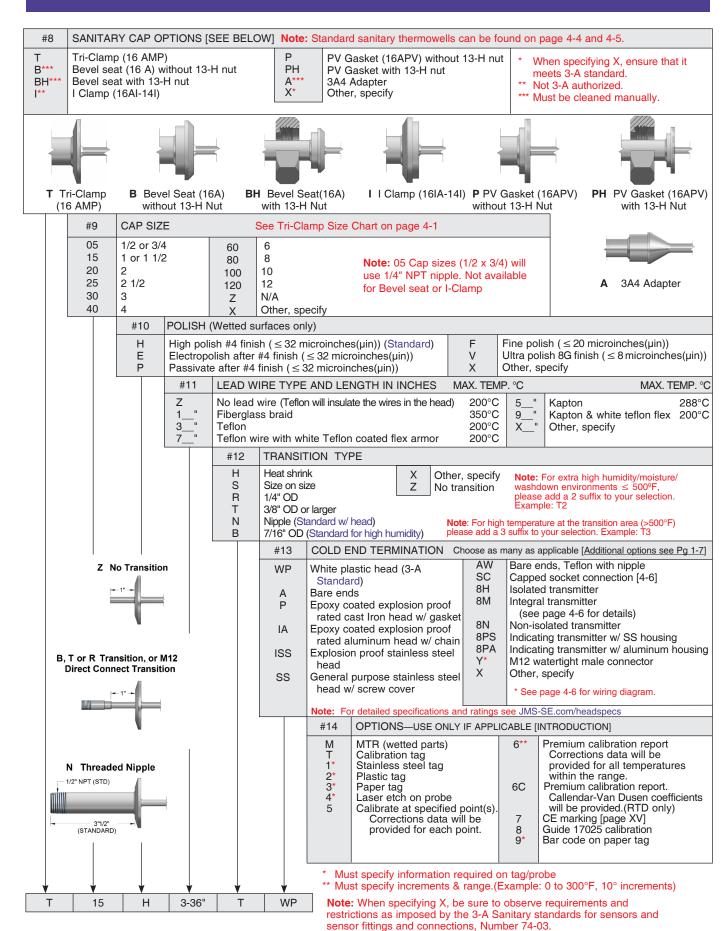
Direct Immersion sanitary sensors incorporate sanitary caps manufactured per the ASME BPE standard. Removeable sensors for sanitary applications typically incorprate spring loaded fittings and are assembled with sanitary thermowells. Wetted materials are polished to a #4 finish to assure that there are no pits, folds or crevices. The exterior nipple, also stainless steel, can be joined to a connection head, designed to withstand caustic washdown. A typical RTD or Thermocouple (see pages 1-1 and 3-1) may be used with a sanitary thermowell (see pages 4-3 through 4-6).

#1	DESCRI	DESCRIPTION									
4S	Sanitary	ary sensors									
	#2	RTD/THERMOCOUPLE TYPE (RTD–Platinum 0.00385 alpha (Ω/Ω/°C). Resistor accuracies at 0°C below & [3-1,17,18]									
	B E P S X	RTD Op 4 wire ± 4 wire ± 4 wire ± 4 wire ± Other, sp	0.30°C 0.15°C 0.06°C 0.03°C (JN	//S Standa	Resistor accuracies at 0°C. Add 3 before selection for 3 wire RTD			Thermocouple Options Copper/Constantan Chromel/Alumel Iron/Constantan Other, specify			
		#3	ELEMEN.	T CONST	RUCTION	UCTION					
1 Single 2 Dual X Other, specify											
	#4 OUTS			OUTSID	SIDE DIAMETER (OD)						
			A B C D	3/8" 1/4" 3/16" 1/8"		E 1/16 X Othe Z NA	er, specify	shank OD w	ill equal	d tip, add R before selection. The twice the tip OD. See illustration below. down from 1/2" to 1/4" at the tip)	
	#5 TUBING MATERIAL				L						
				K H X	316 stainless steel 316 low carbon stainless steel (Standard) 304 stainless steel 304 low carbon stainless steel Other, specify						
					#6	MEASU	RING JUNG	CTION			
[] Brackets indicate page numbers where additional helpful information can						Grounded Ungrounded (Standard) Note: RTDs are always ungrounded.					
be found in our technical catalog.					#7	#7 IMMERSION LENGTH (L)					
Now available online at www.JMS-SE.com/TechnicalCatalog							Length in inches				



	P (16 AMP) E CHART			
CAP SIZE (#9)	CAP Ø			
1/2 or 3/4	.984"			
1 or 1 1/2	1.984"			
2	2.516"			
2 1/2	3.047"			
3	3.579"			
4	4.682"			
6	6.570"			
8	8.563"			
10	10.563"			
12	12.563"			

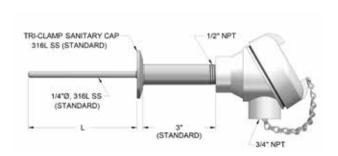
CIP SANITARY RTDS & THERMOCOUPLES



TYPICAL COMPLETE SANITARY SENSORS

SANITARY CAP TYPICAL DESIGNS

TRI-CLAMP (16 AMP) (CAP OPTION "T")



3-A RTD with 4-20 mA INTEGRAL OUTPUT (RTD in, 4-20 mA OUT!!)

