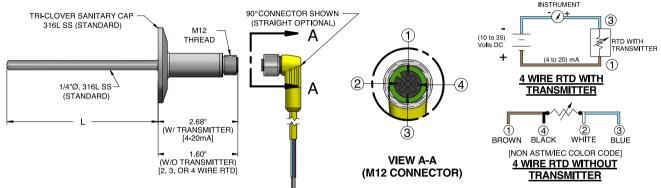
WASH DOWN 3-A RTD WITH 4-20 mA INTEGRAL OUTPUT (RTD in, 4-20 mA OUT!!)

TOOL FREE RTD TEMPERATURE MEASUREMENT



FEATURES:

- PC Programmable,
- NEMA 6P (IP68) rated with M12 connector.
- Ideal for most applications from -60 to 320 F.
- Ambient Temperature limits -40 to 185 F.
- Quick-n-Clean M12 connection for easy replacement.
- Available in 3-A Certified and Standard Industrial Designs

3-A APPROVED SANITARY SENSORS

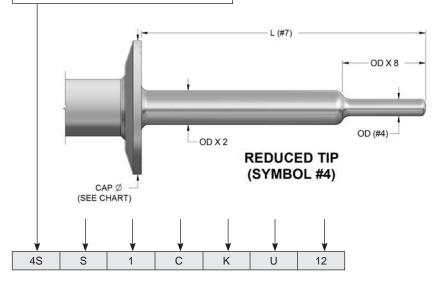
CIP (Clean-In-Place) line of 3-A certified sanitary thermocouples and RTDs from JMS are specially designed to meet the needs of the food, dairy, beverage, pharmaceutical, chemical and cosmetic industries. They are ideally suited for a number of applications where corrosion and contamination are factors. They are fabricated from stainless steel or other 3-A approved 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.

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).



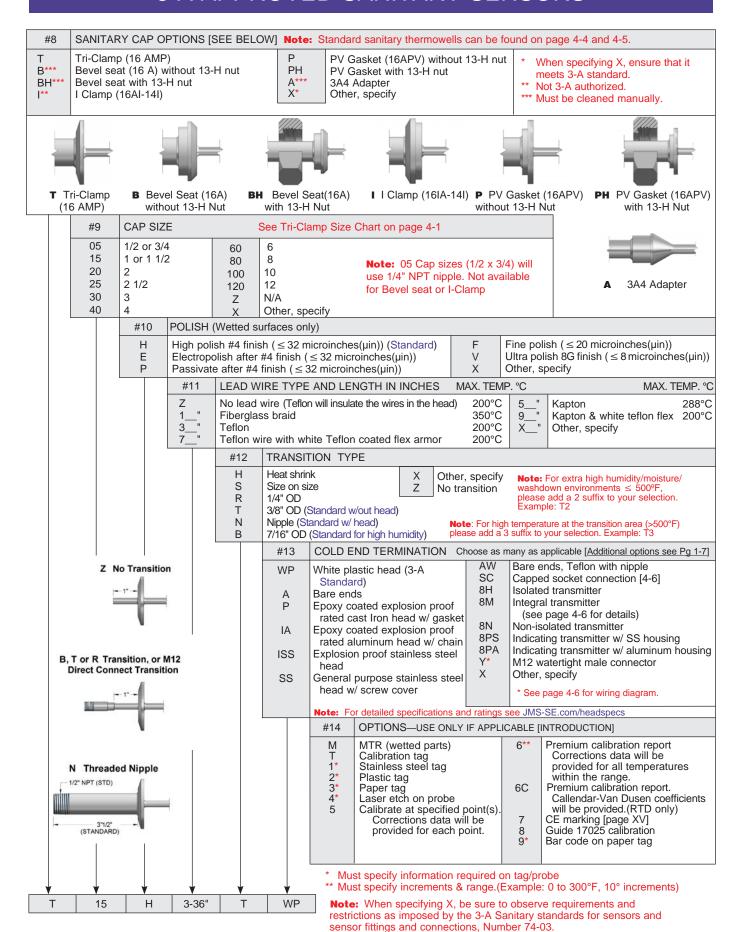
www.3-A.org

#1	DE	DESCRIPTION													
48	Sai	nitary	v sensors												
	;	#2 RTD/THERMOCOUPLE TYPE (RTD–Platinum 0.00385 alpha (Ω/Ω/°C). Resistor accuracies at 0°C below & [3-1,17,18]													
		B 4 wire ± 0.30°C E 4 wire ± 0.15°C P 4 wire ± 0.06°C S 4 wire ± 0.03°C (JMS State of the specify					ndard)	acc 0°C befo	sistor curacies at c. Add 3 ore selectic 3 wire RTD		Thermocouple Options Copper/Constantan Chromel/Alumel Iron/Constantan Other, specify				
		#3 ELEMEN					CONSTRUCTION								
			1 Single 2 Dual X Other, specify												
					#4	OUT	UTSIDE DIAMETER (OD)								
					A B C D	3/8" 1/4" 3/16" 1/8"		E >> 2	Other, specify		Note: For a reduced tip, add R before selection. The shank OD will equal twice the tip OD. See illustration below. (Example RB steps down from 1/2" to 1/4" at the tip)				
						#5	; T	TUBING MATERIAL							
	K 316 stainless steel L 316 low carbon stainless steel (Standard) H 304 stainless steel I 304 low carbon stainless steel X Other, specify						Titanium								
		#6 MEASURING JUNCTION													
[] Brackets indicate page numbers where additional helpful information can									Grounded Ungrounded (Standard) Note: RTDs are always ungrounded.						
be found in our technical catalog.									#7 IMMERSION LENGTH (L)						
Now available online at www.JMS-SE.com/TechnicalCatalog									Length in inches						



TRI-CLAMP (16 AMP) CAP SIZE 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"						

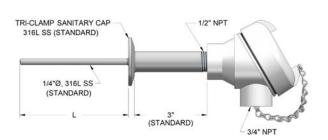
3-A APPROVED SANITARY SENSORS



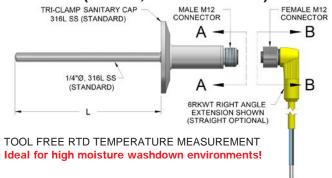
3-A APPROVED COMPLETE SENSORS

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!!)



RTD WITH INTEGRAL PC PROGRAMMABLE TRANSMITTER

RTD with 4-20 mA INTEGRAL OUTPUT (RTD in, 4-20 mA out)

INDUSTRIAL STYLE INTEGRAL TRANSMITTER (Transmitter option see page 3-2, #14, 8M)

FEATURES:

• PC programmable

SINGLE TC WITHOUT

TRANSMITTER

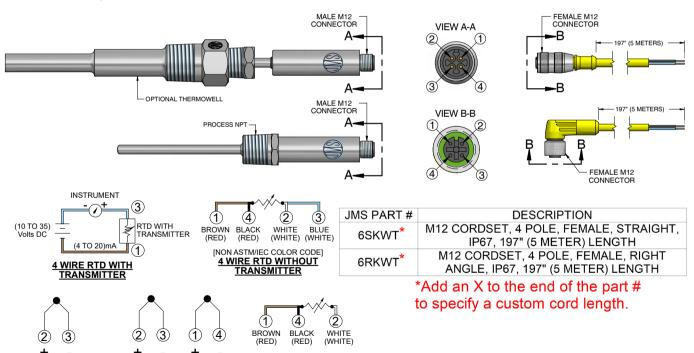
- Carry a 4-20 mA to your PLC directly from the RTD with no special equipment.
- Available in fixed immersion and spring loaded for thermowells!!

DUAL TC WITHOUT

TRANSMITTER

- Quick-n-Clean M12 connection for easy replacement.
- NEMA 6P (IP67) rated with M12 connector.
- Ideal for most applications from -60 to 320°F.
- Ambient temperature limits -40 to 185°F.



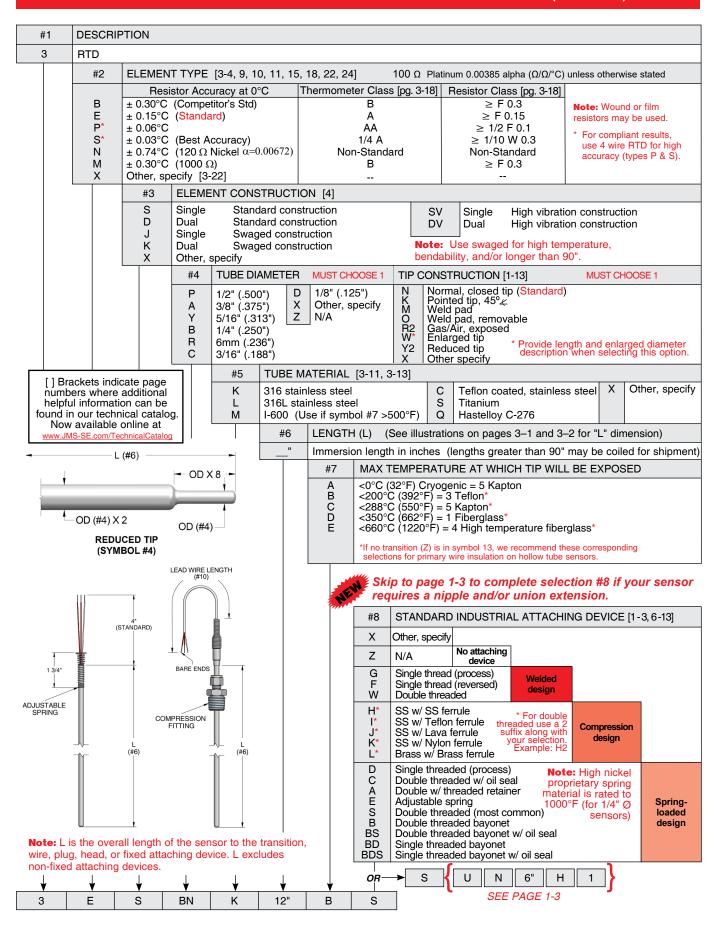


[NON ASTM/IEC COLOR CODE]

3 WIRE RTD WITHOUT

TRANSMITTER

RESISTANCE TEMPERATURE DEVICES (RTDS)



RESISTANCE TEMPERATURE DEVICES (RTDS)

