## 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
- 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!!
- Quick-n-Clean M12 connection for easy replacement.

(3)

**DUAL TC WITHOUT** 

TRANSMITTER

SINGLE TC WITHOUT

**TRANSMITTER** 

BROWN

BLACK

(RED)

INON ASTM/IEC COLOR CODE1

3 WIRE RTD WITHOUT

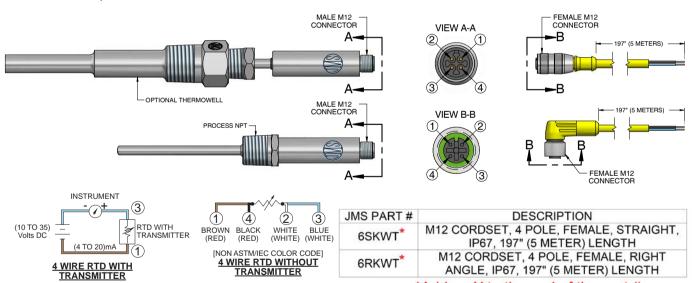
**TRANSMITTER** 

WHITE

(WHITE)

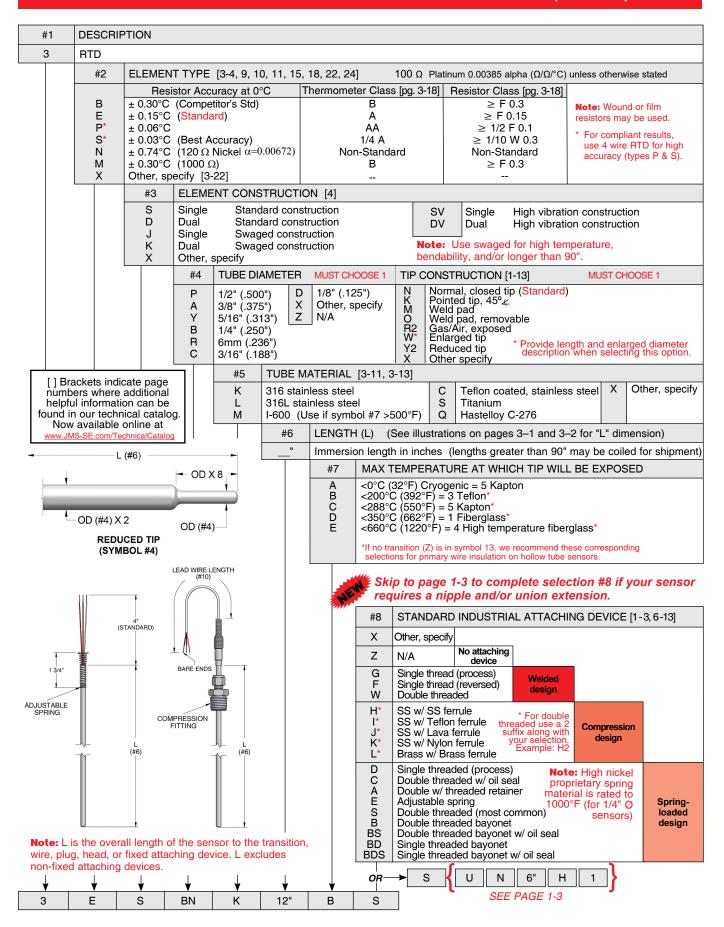
- NEMA 6P (IP67) rated with M12 connector.
- Ideal for most applications from -60 to 320°F.
- Ambient temperature limits -40 to 185°F.



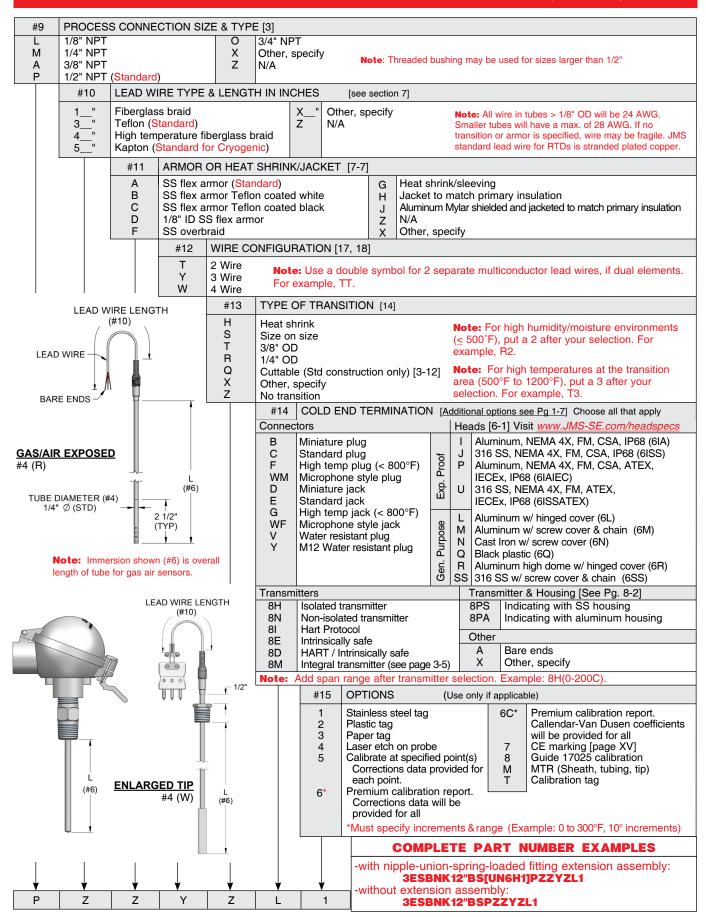


\*Add an X to the end of the part # to specify a custom cord length.

## RESISTANCE TEMPERATURE DEVICES (RTDS)



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## CUSTOM NIPPLE/UNION EXTENSION CONFIGURATOR

An extension assembly provides extra length extending the sensor head past insulation and away from heat. Standard unions are 1/2" FNPT on both ends. The union joins two nipples in an extension assembly and has a standard pressure rating of 150 PSIG.

When a nipple-union-nipple assembly is selected and spring-loading of the thermocouple element is required, there are two different methods of spring-loading the sensor. JMS's standard, recommended method is to use the machined 1/2" x 1/2" NPT spring-loaded stainless steel fitting as one of the nipples. With this design, the probe is secured within the fitting and mounted to the head in a rigid manner instead of spring-loading against a terminal block, as is the case with a standard nipple-union-nipple. Due to stress exerted by spring, selection #8, option N "nipple" should never be used with an in-head transmitter. Any of the other options within option #8 are compatible with in-head transmitters.

#### Notes:

- -The standard JMS spring designed specifically for a 1/4" OD sensor is made of high nickel proprietary spring wire which allows users to successfully maintain 1/2" of spring-loading even up to 1000°F.
- -Spring-loaded extension assemblies should not be used with ceramic protection tubes.

