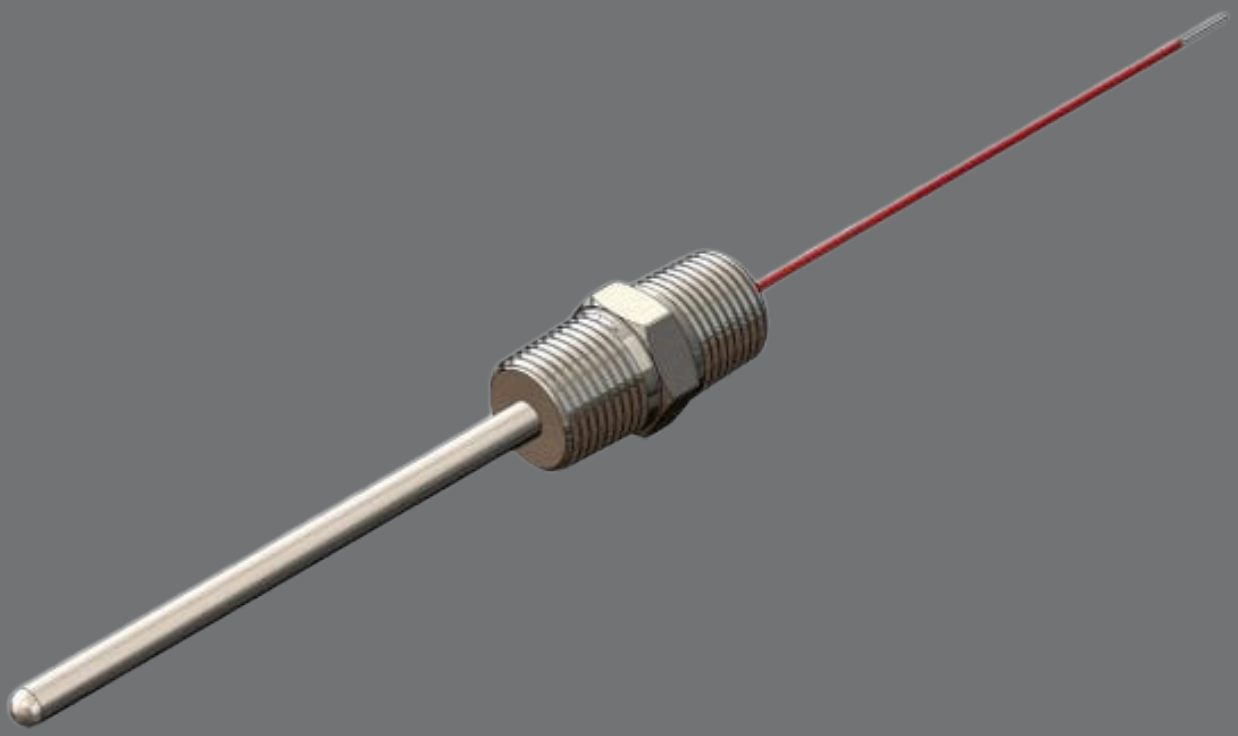
110 field cuttable RTD



Overview

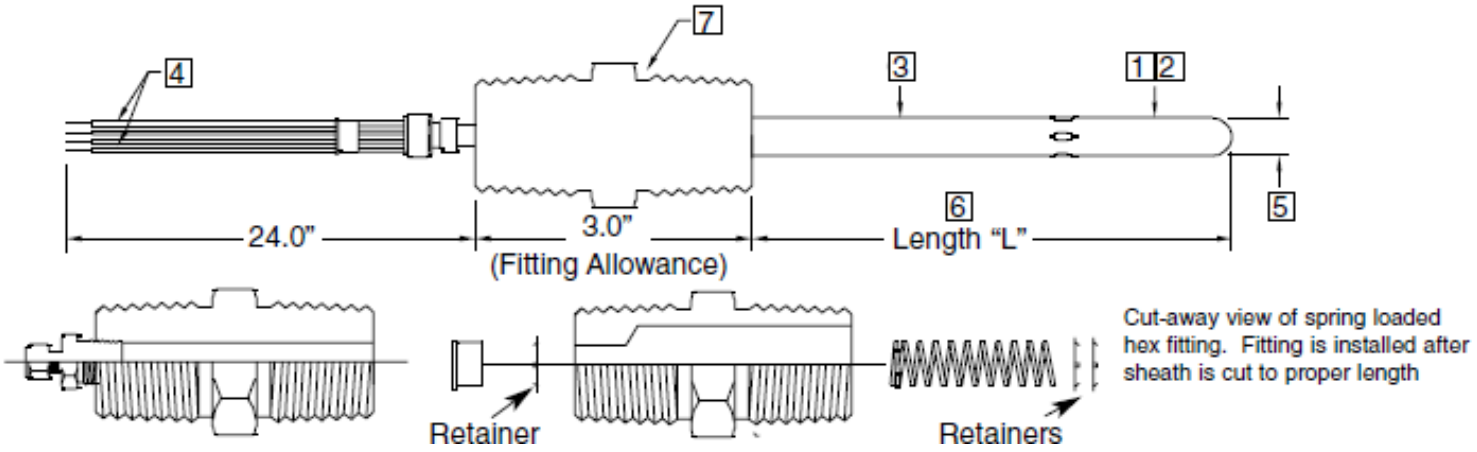
Designed for applications where a threaded male fitting is required for mounting in tanks, stacks and pressure vessels.

Stocking ‘cuttables’ can reduce inventory

Less downtime, as the 110 can be easily cut to the required length in the field and the fitting installed in a matter of minutes.

Model 110 is designed to be used with optional connector or spring-loaded fitting.

Technical specification



1. Base Model	Base model/series number.	
2. A. Accuracy:	*Standard*	Class B (no code)
	High	Class A (code H)
	Special	Customer Specified (code S)
	* Industry Standard is DIN Curve (code 01B), Platinum, 100 ohms @ 0°C. Conforms to IEC 751, ITS-90.	
B. TCR:	Temperature Coefficient of Resistance is the temperature vs. resistance characteristics of a given metal (Pt, Cu & Ni) used in manufacturing the RTD. Determines the curve of the RTD.	
C. Ice Point Resistance:	R_0 - Resistance at 0°C (32°F)	
3. Construction:	Code A - 316SS tube and wire construction, thin film element, Teflon insulated lead wire.	
	Code C - 316SS tube and wire construction, fiberglass insulated lead wire.	
4. Lead Wires:	4 - Wire: W W R R; 6 - Wire (Dual 3-Wire): W R R Y BK BK; 8 - Wire (Dual 4-Wire): W W R R Y Y BK BK	
5. Sheath Diameter:	.250" (1/4") is the industry standard.	
6. Sheath Length:	Entire cuttable length plus 2 1/4" nominal tip.	
7. Optional Fittings:	Sensor is not supplied with mounting hardware, specify optional fitting.	
8. Tube Cutter:	Optional tube cutter.	

Technical specification

Model	Description
110	**Field Cuttable RTD**

1

Code	R_0 & Temperature Coefficient		
01B	**100 ohm Platinum**	**.00385055 TCR**	**100 ohms @ 0° C - Industry Standard**
01A	100 ohm Platinum	.003902 TCR	100 ohms @ 0° C
10A	1000 ohm Platinum	.003902 TCR	1000 ohms @ 0° C
10B	1000 ohm Platinum	.00385055 TCR	1000 ohms @ 0° C
12N	120 ohm Nickel	.00672 TCR	120 ohms @ 0° C
09C	10 ohm Copper (9.035)	.004274 TCR	10 ohms @ 25° C

Add Code "H" for higher accuracy
Add Code "S" for special accuracy
Add Code "M_" for matched pair. For matching type, see RTD General Specifications.

2

Code	Construction Temperature Limit
A	500 F° Maximum
C	900 F° Maximum (Platinum Only)

3

Code	Number of Lead Wires
4	4-Wire (Complete Compensation)
6	Dual 3-Wire (with dual element)
8	Dual 4-Wire (with dual element)

4

Code	Sheath Diameter
C	.250" (1/4") Diameter

5

Code	Sheath Length
24	24" (27" Overall)
48	48" (51" Overall)
Other	Consult Factory

6

Code	Optional Fittings	
C1S	Compression:	1/4" Sheath x 1/8" NPT SS
C2S		1/4" Sheath x 1/4" NPT SS
C3S		1/4" Sheath x 1/2" NPT SS
NS1		1/4" Sheath x 1/2" NPT Hex Nipple
FS5	Spring-Loaded:	1/4" Sheath 1/2" X 1/2" Hex Fitting with Adjustable Fluid Seal
310		1/2" X 1/2" Hex Fitting Kit
Other	Consult Factory	

7

Code	Option
TC1	Tube Cutter

8

110	-	01B	-	A	-	4	-	C	-	24	/	NS1 /	Sample Model Number
	-		-		-		-		-		/	/	Your Model Number

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