

Product Profile High Accuracy 1700 RTD

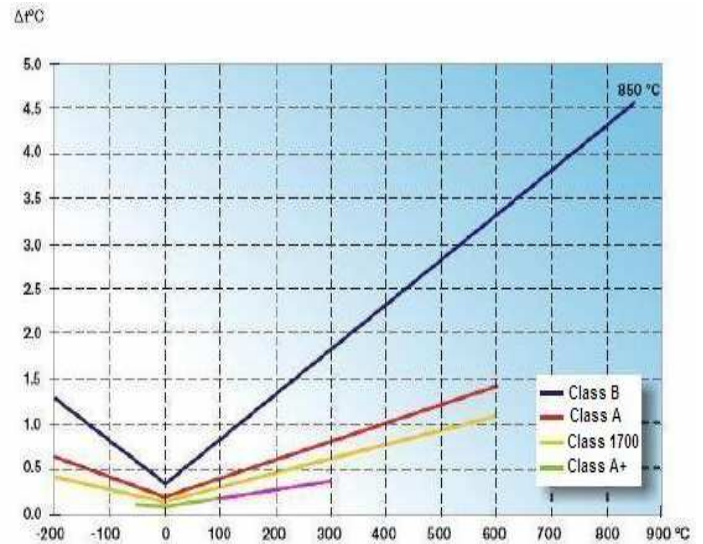
The 1700 is a spin off of Smart Sensors' **A+**, which is arguably the most accurate RTD developed for process applications. The cost for the accuracy and stability of the **A+** can not be justified in all process applications. Smart Sensors has positioned the 1700 to provide the user with accuracies that are far superior than the most common process RTDs and slightly less than **A+**, in a range that fits the design criteria for the typical process RTD. The stability and accuracy of the 1700 will protect your investment in total loop costs. Remember, maximizing loop accuracy starts with the primary sensing element regardless of the transmitter you select. The product is available with several different configurations including industry approved sanitary connections. Contact Smart Sensors or a factory authorized representative for application assistance.

Standards Reference:

ASTM E1137-97 (product exceeds accuracy for Class A see graph)
IEC 60751 (ITS 90) (product exceeds accuracy for Class A see graph)

Product Specifications

Element	100 ohm @ 0 deg C Platinum
Temp	
Coefficient	.00385 Ohms/Ohm/deg. C
Range	-45 to 260 C -58 to 500 F
"L"	55" max
OD	1/4"
Sheath	316SS
Construction	4 wire single or dual
Lead Wire	22 gage stranded silver plated Copper



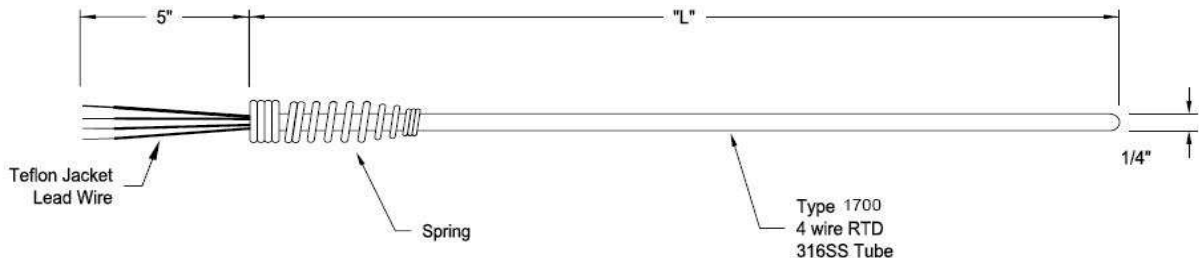
Price Adder

Typically less than \$70.00 when compared to Class A RTDs

Part Number

1700 - S(single) or **D**(dual) - Length in inches
Example: 1700-D-30
(High Accuracy RTD, dual 30" sheath length)

Temp	Accuracy Comparison		Grade B IEC	1700
	Grade B ASTM	Grade B IEC		
-50	0.46	0.55	0.055	0.055
0	0.25	0.3	0.03	0.03
50	0.46	0.55	0.055	0.055
100	0.67	0.8	0.080	0.080
150	0.88	1.05	0.105	0.105
200	1.1	1.3	0.130	0.130



Temperature Measurement...The Right Way!