

SENSORS WITH CONNECTION HEADS

Thermocouple and RTD Spring-Loaded Replacement Elements

Thermocouple and RTD spring-Loaded Replacement elements are designed for spring-loaded thermowell assemblies. The replacement elements can be ordered by selecting the sensor type below and inserting the "X" length in table 2-0. The RTD assemblies are supplied with a 316 stainless steel sheath and are available in various tolerances and temperature ranges as noted in the tables below. The MgO-insulated thermocouple assemblies are supplied with a 316 stainless steel sheath, various calibrations, and as standard limits of error.



ORDER CODES

Configuration Code GP06

Thermocouple

Example Order Number:

1-0 1-1 2-0 3-0 4-0
J48 U - 012 - SL - 22(06)

1-0 Thermocouple Types

CODE		AVAILABLE SHEATH DIAMETERS (316 SS)	
SINGLE	DUPLEX	3/16" O.D.	1/4" O.D.
E	EE	38	48
J	JJ	38	48
K	KK	38	48
T	TT	38	48

1-1 Measuring Junction

CODE	DESCRIPTION
G	Grounded junction
U	Ungrounded junction

4-0 Sheath Terminations

CODE	DESCRIPTION
22 ^[1]	3" Individual fluoropolymer leads with terminal pins

[1] For longer leads, insert 2 digit length in inches. Example: 22(06)

3-0 Element Style

CODE	DESCRIPTION
SL	Spring-loaded element

2-0 Length

CODE
Insert 3 Digit "X" length in inches

ORDER CODES

Configuration Code GP05

RTD Example Order Number:

1-0 1-1 1-2 2-0 3-0 4-0
R1T185L 48 3 - 012(1/2) - SL - 22

1-0 100 Ω Platinum RTD Elements $\alpha = 0.00385 \text{ } ^\circ\text{C}^{-1}$

CODE		TOLERANCE ^[1]
LOW RANGE WIRE WOUND (-200 to 200) °C		
SINGLE	DUPLEX	
R1T185L	R1T285L	Grade B
R5T185L	R5T285L	(1/5) Class B
LOW RANGE THIN FILM (-50 to 200) °C		
RBF185L	RBF285L	Class B
RAF185L	RAF285L	Class A
HIGH RANGE WIRE WOUND (-200 to 600) °C		
R1T185H	R1T285H	Grade B
RAT185H	RAT285H	Class A

[1] Refer to RTD tolerance information in the General Information section for calculations to determine specific tolerance at temperature.

1-1 Sheath Diameters

CODE	DIAMETERS (inches) 316 SS
38	3/16
48	1/4

4-0 Sheath Terminations

CODE	DESCRIPTION
22 ^[1]	3" Individual fluoropolymer leads with terminal pins

[1] For longer leads insert 2 digit length in inches. Example: 22(06)

3-0 Element Style

CODE	DESCRIPTION
SL	Spring-loaded element

2-0 Length

CODE
Insert 3 Digit "X" length in inches

1-2 Element Connection

CODE	DESCRIPTION
2	2-wire element
3	3-wire element
4	4-wire element