

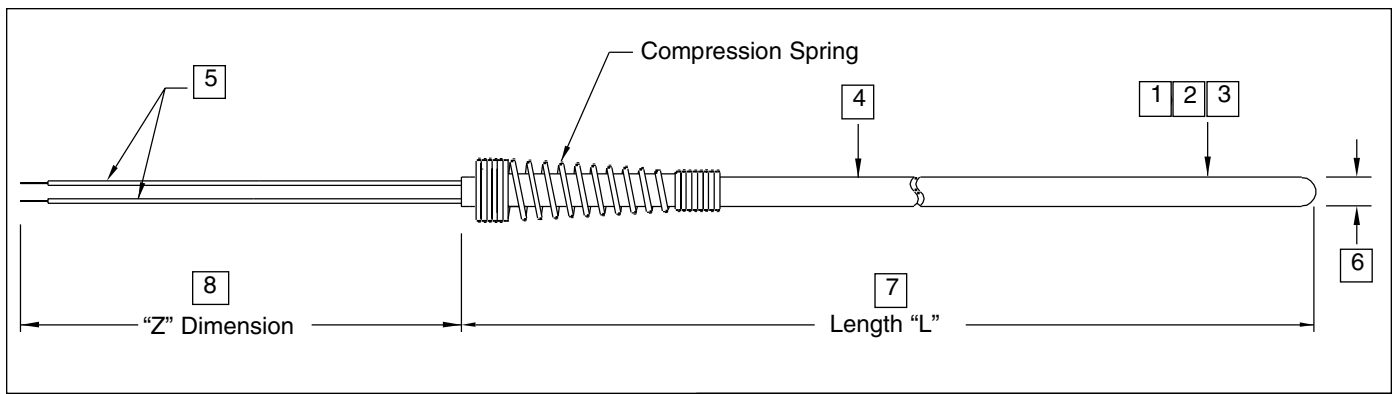
Model 312

Spring-Loaded Thermocouple

Designed for applications where a Weed Instrument connection head is required. The spring-loading action of this thermocouple ensures proper contact with the tip of the thermowell for maximum heat transfer.



- Refer to Model 301 for cast iron explosion-proof connection head applications.
- Refer to Model 305 if spring-loaded hex fitting is required.



Specifications:

1. Base Model	Base Model/Series Number.
2. A. Accuracy:	ANSI Special Limits of Error is standard. See Thermocouple General Specifications.
B. Type:	Application dependent. See Thermocouple General Specifications.
C. Response Time:	Dependent on sheath diameter and measuring junction. See Thermocouple General Specifications.
D. Tip Sensitivity:	Thermocouples are inherently tip sensitive.
3. Grounded:	At the tip, thermocouple wires are attached to inside of probe wall, resulting in quick response time.
Ungrounded:	At the tip, thermocouple wires are insulated from the inside of probe wall, results are a slower response time but increased isolation.
4. Construction:	Code A - 316SS tube construction, teflon insulated lead wire. Code C - 316SS MgO construction, fiberglass insulated lead wire. Code B - Inconel sheathed MgO construction, fiberglass insulated lead wire.
5. Lead Wires	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p>Single</p> </div> <div style="text-align: center;"> <p>Dual</p> </div> </div>
6. Sheath Diameter:	.250" (1/4") is industry standard.
7. Sheath Length:	Entire stem length. See Thermocouple General Specifications.
8. Lead Wire Length:	Length of wires beyond the sheath.

Model	Description		
312	Spring Loaded Thermocouple (for use with all but Type 3 Housings)		
1	Code	Thermocouple Type	Range
	J	Type J Thermocouple	32 to 1400°F (0 to 760°C)
	K	Type K Thermocouple	-328 to 2300°F (-200 to 1260°C)
	T	Type T Thermocouple	-328 to 700°F (-200 to 371°C)
	E	Type E Thermocouple	-328 to 1600°F (-200 to 871°C)
	R	Type R Thermocouple	32 to 2700°F (0 to 1482°C)
	S	Type S Thermocouple	32 to 2700°F (0 to 1482°C)
	B	Type B Thermocouple	32 to 3100°F (0 to 1704°C)
	N	Type N Thermocouple	-454 to 2372°F (-270 to 1300°C)
	Add "MT" for matched to transmitter. See Thermocouple General Specifications.		
2	Code	Junction Type	
	G	Grounded	
3	Code	Construction Temperature Limit	
	A	500° F Maximum	
	C	1600° F Maximum	
4	Code	Number of Lead Wires	
	2	Single Thermocouple	
5	Code	Sheath Diameter	
	C	.250" Diameter	
	D	.215" Diameter	
6	Code	Sheath Length	
	XXX.X	Specify length to nearest 0.1"	
7	Code	Lead Wire Length	
	Z003	3" - Standard with head	
	Z024	24" - Standard without head	
8	Code	Lead Wire Length	
	ZXXX	Other - consult factory	

312	-	J	-	G	-	C	-	2	-	C	-	012.0	-	Z003
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Sample Model Number
Your Part Number

