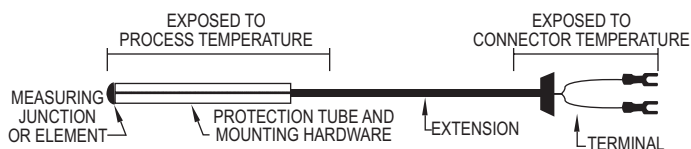


# TEMPERATURE SENSORS



Thermocouple Types	Wire Types	Temperature Range (°F)	Temperature Range (°C)
J	Iron/constantan	32 to 1400	0 to 760
K	Chromel/alumel	32 to 2300	0 to 1200
E	Chromel/constantan	-300 to 1600	-184 to 871
T	Copper/constantan	-300 to 700	-184 to 371
R	Plat. 13%/rhod./plat.	32 to 2700	0 to 1482
S	Plat. 10%/rhod./plat.	32 to 2700	0 to 1482
RTD Types		Temperature Range (°F)	Temperature Range (°C)
Low range thin film		-58 to 392	-50 to 200
Medium range thin film		-58 to 896	-50 to 480
High range wire wound		-328 to 1112	-200 to 600

## ORDERING SENSORS

Sensors are constructed with various types of protection/mounting hardware, extensions, and wire terminations. The sensor types and their temperature ranges are shown in the table. See "Temperature Limits" for maximum service temperatures applicable to the protection tube, mounting hardware, wire extensions, etc.

This section shows only a limited selection of the available sensors. The sensors are organized by hardware type. Most hardware can house any type thermocouple or RTD. Terminations are usually either lug type or standard plugs, but many other types are available. Various 'head enclosures' are also available. Dimensions can be custom designed to meet your specifications.

## SERVICE TEMPERATURES

304/316 SS tubing/protection/mounting hardware	1600°F
Inconel® 600 tubing/protection/mounting hardware	2100°F
Alumina	3400°F
Mullite	2700°F
Fiberglass insulated extension wire	842°F
FEP insulated extension wire	392°F
Junction box (BX) connector	400°F
Plug	400°F

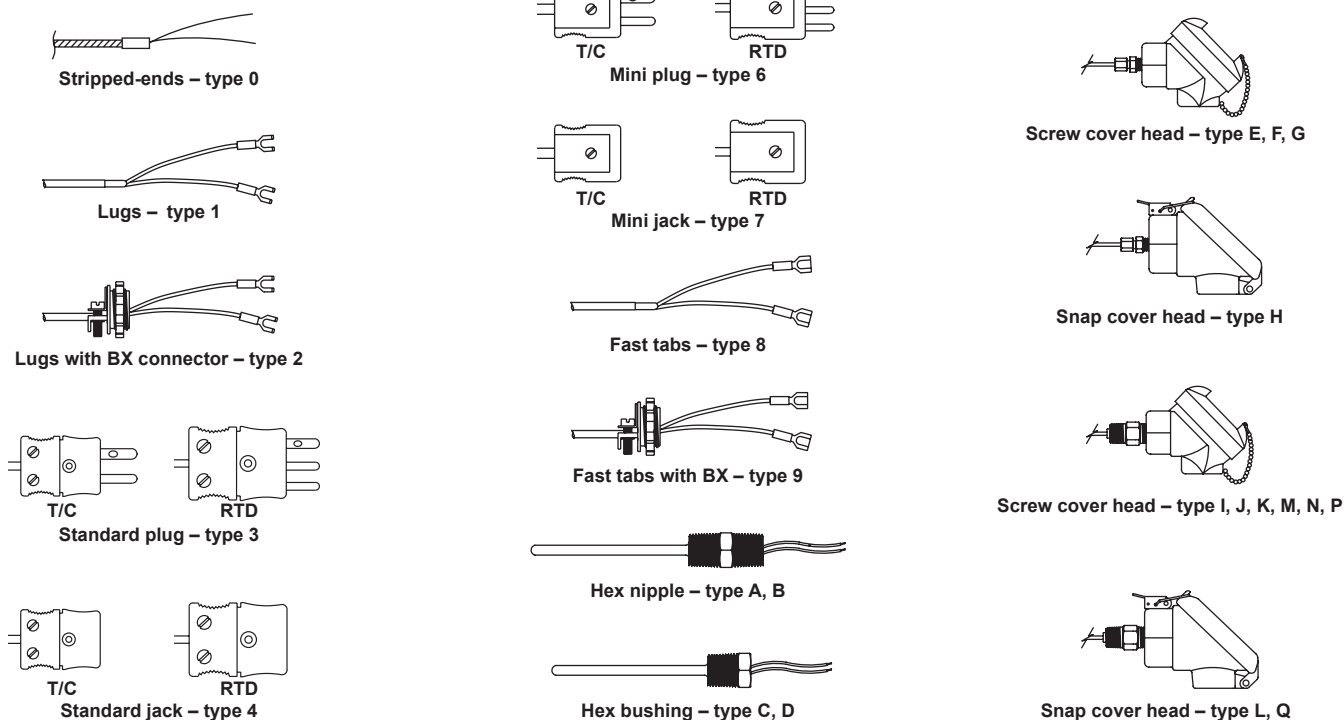
## TEMPERATURE LIMITS

Sensor selection depends on two separate temperatures: process temperature and connector temperature. Make sure the local temperature at each component does not exceed the maximum rated service temperature for that component. Note that extension wire must withstand the process temperature.

## HARDWARE TYPE

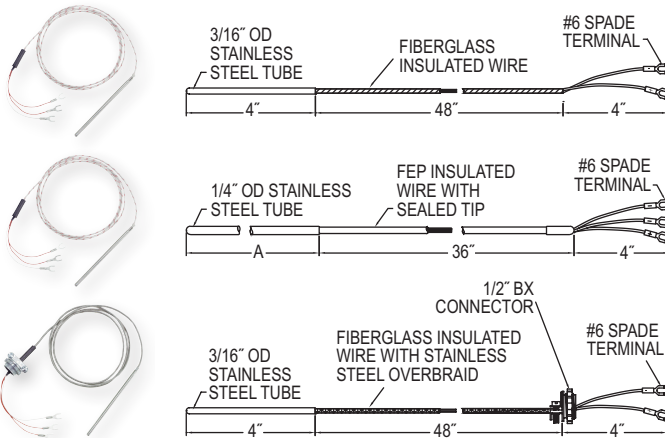


## TERMINALS



# THERMOCOUPLES AND RTD'S

## GENERAL PURPOSE

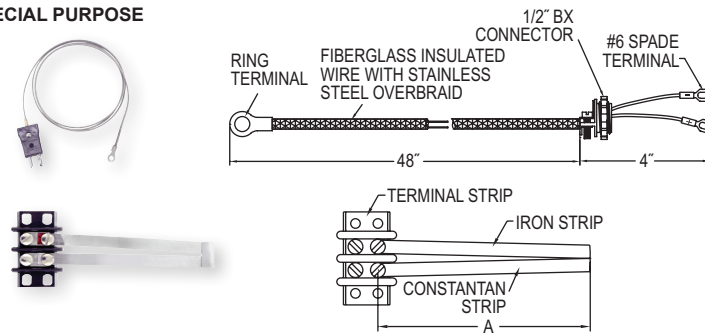


MODEL CHART - BASIC		
Model	Sensor Type	Terminal
122095-84	J	#6 spade
122095-01	K	#6 spade
122095-04	(3-wire) 100 $\Omega$ RTD	#6 spade

MODEL CHART - FEP INSULATION EXTENSION			
Model	Sensor Type	A Length	Terminal
122087-00	100 $\Omega$ RTD	6"	#6 spade

MODEL CHART - SS OVERBRAID EXTENSION			
Model	Sensor Type	Bend	Terminal
122095-19	J	0°	#6 spade
122095-25	100 $\Omega$ RTD	0°	#6 spade

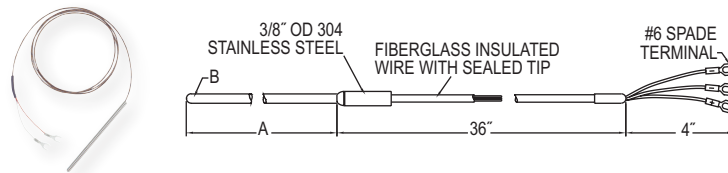
## SPECIAL PURPOSE



MODEL CHART - SURFACE THERMOCOUPLE (900°F MAX.)			
Model	Sensor Type	Ring Terminal ID	Terminal
122095-24	J	13/32"	#6 spade
122095-32	J	13/64"	#6 spade

MODEL CHART - WEB STYLE		
Model	A Length	Terminal
122095-86	2.75"	No

## MINERAL INSULATED

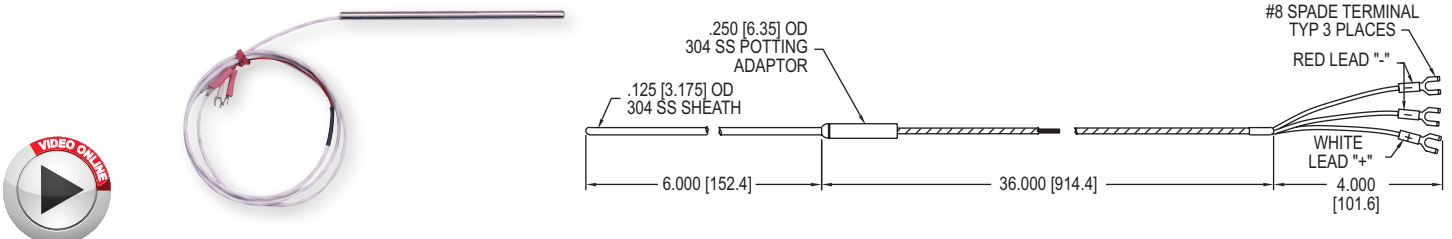


MODEL CHART				
Model	Sensor Type	A Length	B Diameter	Terminal
122088-00	100 $\Omega$ RTD	6"	1/4"	#6 spade
122088-01	100 $\Omega$ RTD	12"	1/4"	#6 spade
122086-00	100 $\Omega$ RTD	6"	1/8"	#6 spade

## SERIES RTD

# RESISTANCE TEMPERATURE DETECTOR

High Temperature, Mineral Insulated, 304 Stainless Steel Sheath



Precision **Series RTD Resistance Temperature Detector** offers excellent accuracy and stability over a wide temperature range. Industry standard 3-wire 100  $\Omega$  (DIN) probes are available in 6" (15 cm), 12" (30.5 cm), or 18" (46 cm) sheath lengths with 30" (76 cm) extension cable and spade lug terminals.

### BENEFITS/FEATURES

- Long product life cycle from durable 304 SS sheath
- Variable installation environments due to the mineral insulated cable

### APPLICATIONS

Air ducts, bearing temperature, oil temperature indicator, soldering equipment, ovens, environmental test chambers, pharmaceutical mfg., food processing, plastic molding, catalytic and chemical processing, electric generating plants, etc.

### SPECIFICATIONS

**Sensor Type:** Wire wound, 100  $\Omega$ .  
**Temperature Range:** -328 to 1202°F (-200 to 650°C).  
**Pressure Limits:** 250 psig (17.2 bar).  
**Probe Material:** 304 SS.  
**Extension Length:** 30" (76 cm).  
**Element Standard:** DIN .00385 (Class B, 0.12%).

MODEL CHART		
Model	Length	Diameter
RTD-686	6" (15 cm)	1/8"

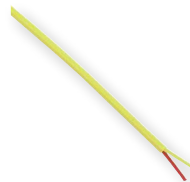
# THERMOCOUPLE WIRE



J type - FEP



J type - FB



K type - FEP



K type - FB

## MODEL CHART - SPOOLS

Model	Specification
A-TC-J25-FB	J type, 25' on spool, fiber glass insulation, 450°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-J25-FEP	J type, 25' on spool, FEP insulation, 200°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-K25-FB	K type, 25' on spool, fiber glass insulation, 450°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-K25-FEP	K type, 25' on spool, FEP insulation, 200°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-J50-FB	J type, 50' on spool, fiber glass insulation, 450°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-J50-FEP	J type, 50' on spool, FEP insulation, 200°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-K50-FB	K type, 50' on spool, fiber glass insulation, 450°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-K50-FEP	K type, 50' on spool, FEP insulation, 200°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-J100-FB	J type, 100' on spool, fiber glass insulation, 450°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-J100-FEP	J type, 100' on spool, FEP insulation, 200°C, black outer sheath, 24 AWG, 0.20 SQMM
A-TC-K100-FB	K type, 100' on spool, fiber glass insulation, 450°C, yellow outer sheath, 24 AWG, 0.20 SQMM
A-TC-K100-FEP	K type, 100' on spool, FEP insulation, 200°C, yellow outer sheath, 24 AWG, 0.20 SQMM

## PLUGS (MALE)



MODEL CHART - STANDARD SIZE SINGLE	
Model	Type
481-0001	J
481-0002	K
481-0003	T
481-0004	Cu11 (2-wire)
481-0015	E
481-0134	Cu (3-wire)



MODEL CHART - MINIATURE SIZE SINGLE	
Model	Type
481-0093	J
481-0095	K
481-0098	R
481-0097	S
481-0096	E
481-0099	Cu (2-wire)

## JACKS (FEMALE)

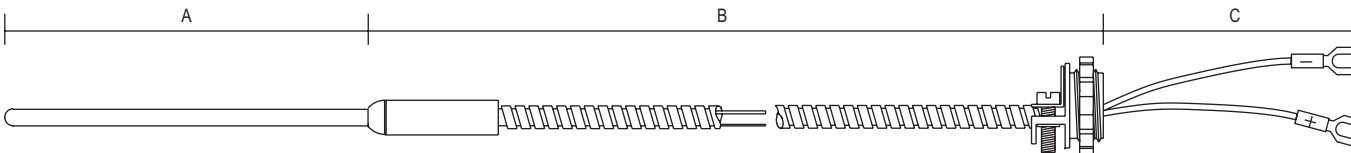


MODEL CHART - STANDARD SIZE SINGLE	
Model	Type
481-0006	J
481-0007	K
481-0008	T
481-0009	Cu11 (2-wire)
481-0016	E
481-0135	Cu (3-wire)



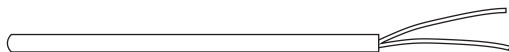
MODEL CHART - MINIATURE SIZE SINGLE	
Model	Type
481-0100	J
481-0102	K
481-0105	R
481-0104	S
481-0103	E
481-0106	Cu (2-wire)

# MINERAL INSULATED THERMOCOUPLES AND RTD'S

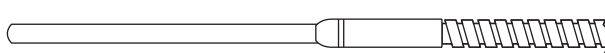


## MINERAL INSULATED TRANSITIONS

Due to the varying size of connection wire and cable, a transition fitting is used between the cold end of the sheath and the connecting wires. This fitting measures 1-1/4" long by 1/4" OD for 1/8" or smaller sheaths, and 1-1/2" long by 3/8" OD for 3/16" and 1/4" sheaths. Larger sheaths and sheaths terminating in connectors other than wire or cable do not require transition fittings.



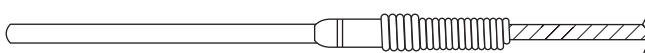
Basic sheath configuration



Sheath and transition fitting (when made with flex hose)



Sheath and transition fitting (when made with SS overbraid wire)



Sheath and transition fitting (when made with fiberglass wire)



Series R & 8 Mineral Insulated Thermocouples and RTD's are known for their excellent mechanical durability and resistance to electrical breakdown. Mineral Insulated Thermocouples can be bent to most any angle without special equipment.

## MODEL CODING

Fill in the appropriate numbers or letters to specify the probe of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.

SENSOR TYPE				RTD TYPE				A			AA			B			C		
TYPE				TYPE				IN 1/10 INCH			IN 1/10 INCH			IN INCHES			IN INCHES		
6: 100 Ω RTD: 0.00385 Ω/°C				2: 2-wire; Class B															
4: 100 Ω RTD: 0.00392 Ω/°C				3: 3-wire; Class B															
				4: 4-wire; Class B															
				5: 2-wire; Class A															
				6: 3-wire; Class A															
				7: 4-wire; Class A															

SENSOR TYPE	HARDWARE TYPE	EXTENSION TYPE	SENSOR TERMINALS	ELEMENTS	JUNCTION TYPE	SENSOR O.D.	BEND
J: T/C	1: Plain sheath (304 SS)	0: Fiberglass singles	0: Stripped ends	1: Single	1: Grounded	1: 1/16"	1: None
K: T/C	2: Plain sheath (316 SS)	1: Fiberglass insulation	1: Leads with #6 spade lugs	2: Dual	2: Ungrounded	2: 1/8"	2: 45°
E: T/C	3: Inconel® 600 sheath	2: Fiberglass insulation with SS flex hose	2: Leads with #6 spade lugs and 1/2 BX	3: Standard plug	3: Exposed tip	3: 3/16"	3: 90°
T: T/C		3: Fiberglass insulation with SS overbraid	3: Standard jack	4: Standard jack		4: 1/4"	
			6: Mini plug			5: 3/8"	
			7: Mini jack				
			8: Leads with 1/4" fastabs				
			9: Leads with 1/4" fastabs 1/2" BX				
			A: 1/2" NPT hex nipple (316 SS)				
			B: 3/4" NPT hex nipple (316 SS)				
			C: 1/2" NPT hex bushing (316 SS)				
			D: 3/4" NPT hex bushing (316 SS)				

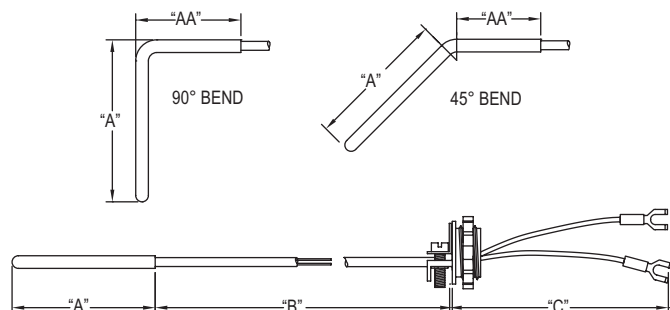
## HEAD ASSEMBLY OPTIONS (3/4" NPT Conduit Connection)

- E: Screw cover head, AL with no process connection
- F: Screw cover head, plastic with no process connection
- G: Screw cover head, SS with no process connection
- H: Snap cover head, AL with no process connection
- I: Screw cover head, AL with 1/2" NPT process connection
- J: Screw cover head, plastic with 1/2" NPT process connection
- K: Screw cover head, SS with 1/2" NPT process connection
- L: Snap cover head, AL with 1/2" NPT process connection
- M: Screw cover head, AL with 3/4" NPT process connection
- N: Screw cover head, plastic with 3/4" process connection
- P: Screw cover head, SS with 3/4" process connection

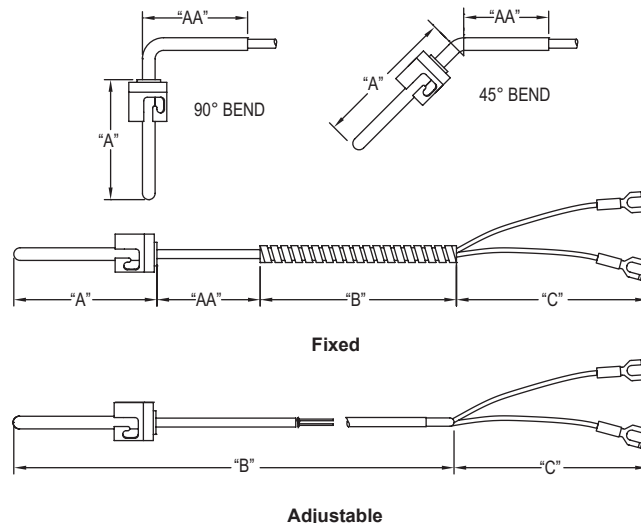
See table for HEAD ASSEMBLY OPTIONS

# GENERAL PURPOSE AND BAYONET TYPE THERMOCOUPLES & RTD'S

## GENERAL PURPOSE



## BAYONET



Series 4 & 5 General Purpose and Bayonet Type Thermocouples & RTD's tip temperatures can be as high as 842°F (450°C) for fiberglass insulated wire, and 392°F (200°C) for FEP insulated wire. Models can be specified with lead wires or head assembly construction. For higher temperatures see the Series R & 8 Mineral Insulated Probes. ●

## MODEL CODING

Fill in the appropriate numbers or letters to specify the probe of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.

SENSOR TYPE				RTD TYPE				A IN 1/10 INCH			AA IN 1/10 INCH			B IN INCHES			C IN INCHES		
6: 100 Ω RTD: 0.00385 Ω/°C				2: 2-wire; Class B															
Z: 1000 Ω RTD: 0.00385 Ω/°C				3: 3-wire; Class B															
4: 100 Ω RTD: 0.00392 Ω/°C				5: 2-wire; Class A															
				6: 3-wire; Class A															

SENSOR TYPE	HARDWARE TYPE	EXTENSION TYPE	SENSOR TERMINALS	ELEMENTS	JUNCTION TYPE	SENSOR O.D.	BEND
J: T/C	1: Plain sheath (316 SS)	1: Fiberglass insulation 842°F/450°C	0: Stripped ends	1: Single	1: Grounded	1: None	
K: T/C	2: Plain sheath with FEP coating	2: Fiberglass insulation with SS flex hose	1: Leads with #6 spade lugs	2: Dual	2: Ungrounded	2: 1/8"	2: 45°
E: T/C	4: Back filled sheath*	3: Fiberglass insulation with SS overbraid	2: Leads with #6 spade lugs 1/2 BX	3: Standard plug	3: Exposed tip	3: 3/16"	3: 90°
T: T/C	5: Back filled sheath with FEP coating*	4: FEP insulation 392°F/200°C	4: Standard jack	4: Standard plug		4: 1/4"	
	6: Bayonet mount adjustable length	5: FEP insulation with SS overbraid	6: Mini plug	6: Mini plug		5: 3/8"	
	7: Bayonet mount fixed length	6: FEP insulation with FEP coated flex hose	7: Mini jack	7: Mini jack			
			8: Leads with 1/4" fastabs	8: Leads with 1/4" fastabs			
			9: Leads with 1/4" fastabs 1/2" BX	9: Leads with 1/4" fastabs 1/2" BX			

## HEAD ASSEMBLY OPTIONS\* (3/4" NPT Conduit Connection)

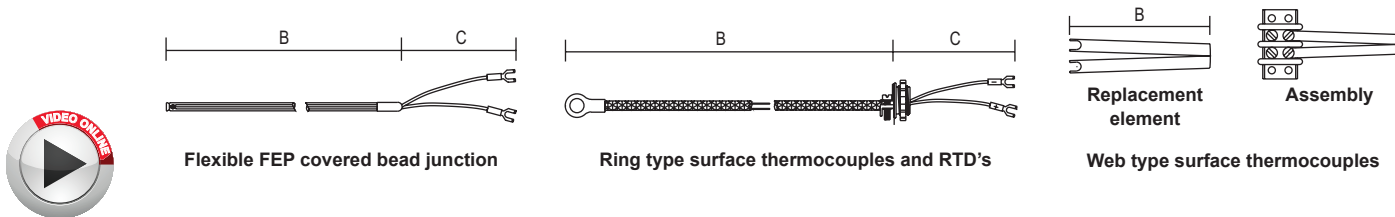
- E: Screw cover head, AL with no process connection
- F: Screw cover head, plastic with no process connection
- G: Screw cover head, SS with no process connection
- H: Snap cover head, AL with no process connection
- I: Screw cover head, AL with 1/2" NPT process connection
- J: Screw cover head, Plastic with 1/2" NPT process connection
- K: Screw cover head, SS with 1/2" NPT process connection
- L: Snap cover head, AL with 1/2" NPT process connection
- M: Screw cover head, AL with 3/4" NPT process connection
- N: Screw cover head, Plastic with 3/4" process connection
- P: Screw cover head, SS with 3/4" process connection
- Q: Snap cover head, AL with 3/4" process connection

See list for **HEAD ASSEMBLY OPTIONS\***

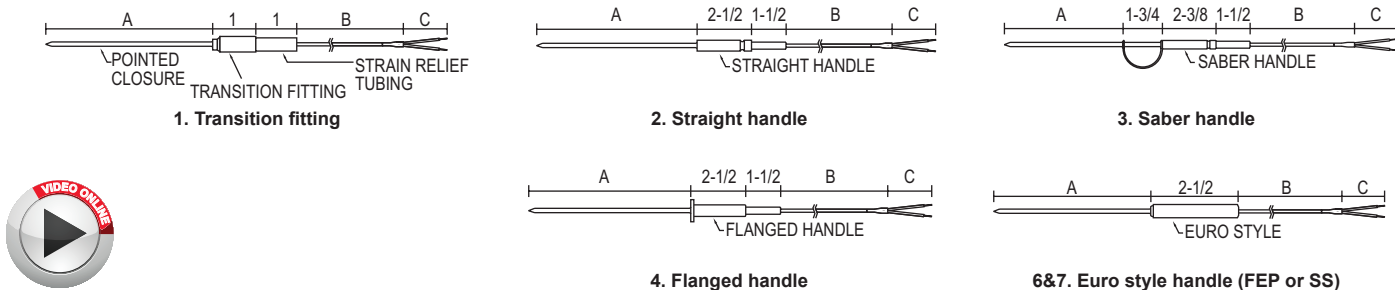
\*Options only available on Series 4 RTD's

# SPECIAL APPLICATION THERMOCOUPLES & RTD'S

## SERIES 9 SPECIALTY SENSOR STYLES



## SERIES P PENETRATION PROBE STYLES



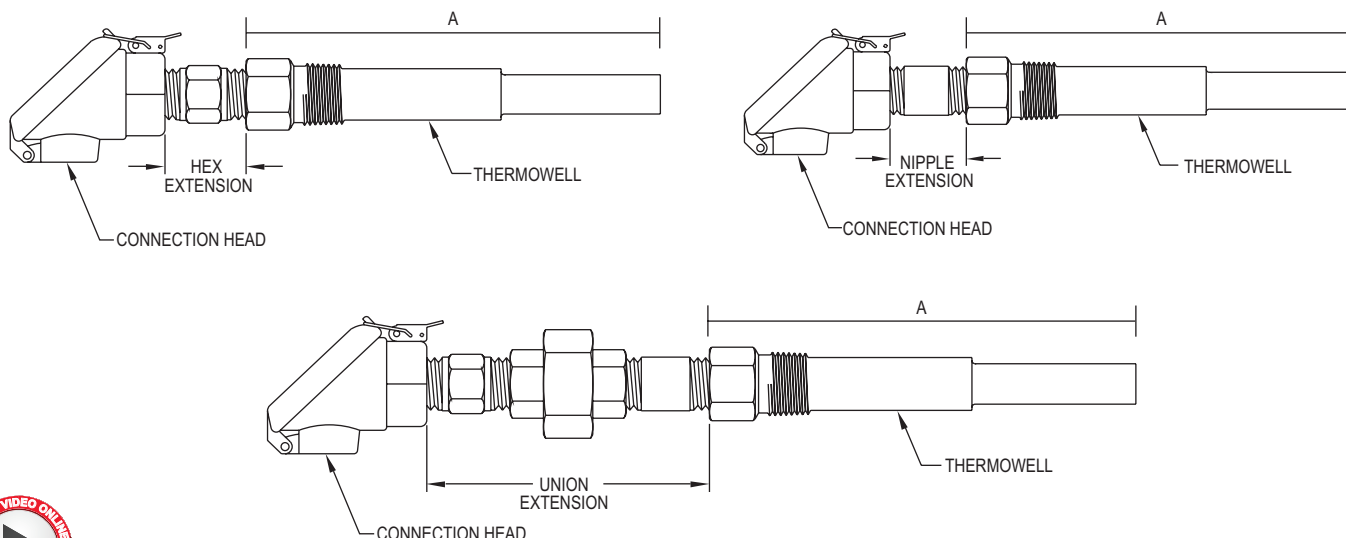
Series 9 & P Special Application Thermocouples and RTD's cover a wide variety of types and configurations. This section covers FEP covered thermocouples and RTD's, ring type thermocouples and RTD's for surface measurement, web type thermocouples for surface measurement of moving objects such as rollers, and penetration thermocouples and RTD's with sharp tips for measurement of viscous liquids and semisolids such as plastic compounds, rubber and slightly frozen food products.

### MODEL CODING

Fill in the appropriate numbers or letters to specify the probe of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.

<p><b>9</b> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <b>1</b> <input type="text"/> <b>0</b> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p style="text-align: center;">B IN INCHES      C IN INCHES</p>		<p><b>SENSOR TYPE</b></p> <p>J: T/C K: T/C E: T/C T: T/C 6: RTD DIN 4: RTD NIST Z: RTD DIN 1K</p>		<p><b>HARDWARE TYPE</b></p> <p>5: Bead junction with FEP coating 6: Ring #10 (0.196" ID) 7: Ring #8 (0.144" ID) 8: Ring 3/8" (0.390" ID) 9: Web</p>		<p><b>EXTENSION TYPE</b></p> <p>0: None 1: Fiberglass insulation 842°F/450°C 2: Fiberglass insulation with SS flex hose 3: Fiberglass insulation with SS overbraid 4: FEP insulation 392°F/200°C 5: FEP insulation with SS overbraid 6: FEP insulation with FEP coated flex hose</p>		<p><b>SENSOR TERMINALS</b></p> <p>0: None 1: Lugs 2: Lugs with BX 3: Standard plug 4: Standard jack 6: Mini plug 7: Mini jack 8: Fastabs 9: Fastabs with BX</p>		<p><b>JUNCTION TYPE</b></p> <p>1: T/C 2: 2-wire RTD; Class B 3: 3-wire RTD; Class B 6: 2-wire RTD; Class A 7: 3-wire RTD; Class A</p>			
<p><b>P</b> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> - <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/></p> <p style="text-align: center;">A* IN 1/10 INCH      B IN INCHES      C IN INCHES</p>		<p><b>SENSOR TYPE</b></p> <p>J: T/C T: T/C 6: RTD DIN 4: RTD NIST Z: RTD DIN 1K</p>		<p><b>PROBE STYLE</b></p> <p>1: Transition fitting, SS 2: Straight handle, SS 3: Saber handle, SS 4: Flanged handle, SS 6: Euro style, FEP 7: Euro style, SS</p>		<p><b>EXTENSION TYPE</b></p> <p>4: FEP insulation 6: FEP over SS flex hose</p>		<p><b>SENSOR TERMINALS</b></p> <p>0: Stripped ends 1: Lugs 2: Lugs with BX 3: Standard plug 4: Standard jack 6: Mini plug</p>		<p><b>JUNCTION TYPE</b></p> <p>1: Grounded 2: Ungrounded</p>		<p><b>SENSOR O.D.</b></p> <p>7: 0.134 O.D. hypodermic 8: 0.180 O.D. hypodermic</p>	

# TEMPERATURE SENSOR ASSEMBLIES WITH THERMOWELLS



**Series T Temperature Sensor Assemblies with Thermowells** are available in a variety of head styles and thermowell materials. All elements are spring loaded to ensure positive contact in the thermowell. Thermowells are non-lagging. The sensor sheath material is constructed of 316 SS regardless of the well material specified.

## MODEL CODING

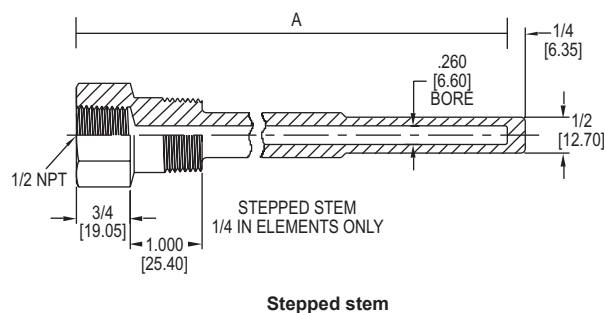
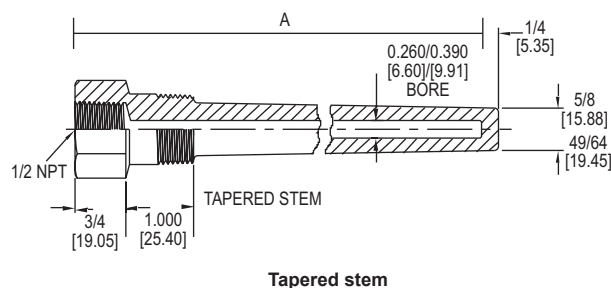
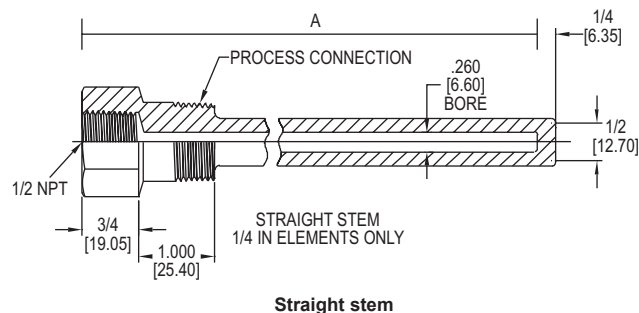
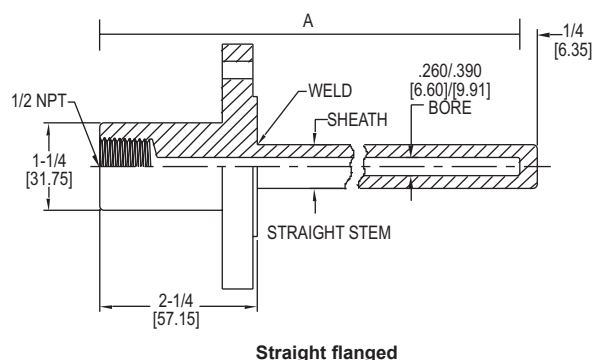
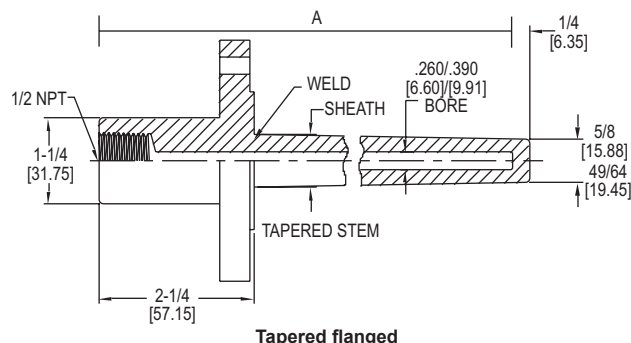
Fill in the appropriate numbers or letters to specify the probe of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.

<div style="text-align: center;"> <b>A</b>  <b>IN INCHES</b> </div>						
<b>T</b>						
<b>SENSOR TYPE</b>	<b>WELL MATERIAL</b>	<b>TAPER/BORE</b>	<b>EXTENSION</b>	<b>ELEMENTS</b>	<b>HEAD</b>	<b>PROCESS CONNECTION (NOMINAL/REDUCED O.D.)</b>
J: T/C	0: None	0: None	1: Steel 1/2 NPT 1 in hex	1: Single (ungrounded/RTD)	0: Aluminum screw cover	0: None*
K: T/C	1: 304 SS	1: Step/0.260	4: Steel 1/2 NPT 4 in nipple	2: Dual (ungrounded/RTD)	1: Aluminum snap cover	1: 1/2" NPT (5/8" to 1/2" step)
E: T/C	2: 316 SS	2: Straight/0.385	7: Steel 1/2 NPT 4 in union	3: Single (grounded)	2: Polypropylene snap cover	4: 3/4" NPT (3/4" to 1/2" step)
T: T/C	3: Brass	3: Taper/0.260	K: 316 SS 1/2 NPT 1 in hex	4: Dual (grounded)	3: Polypropylene snap cover	6: 1" NPT (7/8" to 1/2" step)
6: 100 Ω RTD:	4: Carbon steel	4: Taper/0.385	N: 316 SS 1/2 NPT 4 in nipple		4: Dual (grounded)	7: 3/4" NPT (7/8" to 5/8" taper)
3-wire 0.00385 Ω/°C		5: Straight/0.260	S: 316 SS 1/2 NPT 4 in union		5: 304 SS screw cover	8: 1" NPT (1-1/16" to 5/8" taper)
Z: 1000 Ω RTD:						9: 3/4" NPT (7/8" to 49/64" taper)
3-wire 0.00385 Ω/°C						A: 1" NPT (1-1/16" to 49/64" taper)
4: 100 Ω RTD:						B: 1/2" NPT (5/8" straight)
3-wire 0.00392 Ω/°C						E: 3/4" NPT (3/4" straight)
						D: 1" NPT (7/8" straight)

\*For replacement sensors, specify "0" for well material, taper and bore, and process connections.



# THERMOWELLS



Select bore as 0.260 for 1/4" diameter elements and 0.390 for 3/8" diameter elements. Specify heavy duty mounting for tapered sheaths.

## MODEL CODING

Fill in the appropriate numbers or letters to specify the thermowell of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.

W     -    -   <sup>A</sup>  
IN INCHES

## HARDWARE TYPE

- 1: 304 SS sheath
- 2: 316 SS sheath
- 3: Brass
- 4: Carbon steel

**TAPER/BORE**  
0: Straight/0.26

- 1: Step/0.260
- 2: Straight/0.390
- 3: Taper/0.260
- 4: Taper/0.390

**INSIDE THREAD**  
1: 1/2" female NP\*

## PROCESS CONNECTION

- 1: 1/2 NPT
- 2: 3/4 NPT
- 3: 1 NPT
- 4: 1" 150# flange
- 5: 1-1/2" 150# flange
- 6: 2" 150# flange
- 7: 1" 300# flange
- 8: 1-1/2" 300# flange
- 9: 2" 300# flange
- A: 1" 600# flange
- B: 1-1/2" 600# flange
- C: 2" 600# flange

## MOUNTING

1: Threaded

- 2: Heavy duty threaded
- 3: Heavy duty flanged
- 4: Flanged

**LAG**  
0: None

- 2: 2''  
3: 3''

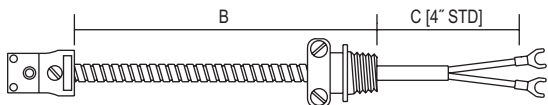
SHEATH O.D.  
BASE / TAPER

- 1: 5/8" / 1/2" step  
4: 3/4" / 1/2" step  
6: 7/8" / 1/2" step  
7: 7/8" / 5/8" taper  
8: 1-1/16" / 5/8" taper  
9: 7/8" / 49/64" taper  
A: 1-1/16" / 49/64" taper  
B: 5/8" straight  
D: 7/8" straight  
E: 3/4" straight



# THERMOCOUPLE ACCESSORIES

## EXTENSION CABLES

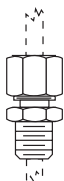


### MODEL CODING

Fill in the appropriate numbers or letters to specify the extension cable of your choice. Fill in all boxes. If an item or dimension does not apply, fill those boxes with zeros '0'.

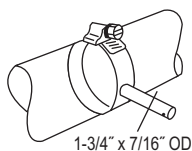
		B IN FEET		C (TERM. #1) IN INCHES		C (TERM. #2) IN INCHES	
EC-		<div></div>	<div></div>	<div></div>	<div></div>	<div></div>	<div></div>
<b>SENSOR TYPE</b>	<b>EXTENSION TYPE</b>	<b>TERMINAL #1</b>		<b>TERMINAL #2</b>		<b>ELEMENTS</b>	
J: T/C	0: No extension	0: Stripped ends		0: Stripped ends		1: Single	
K: T/C	1: Fiberglass insulation	1: Lugs		1: Lugs		2: Dual	
E: T/C	3: Stainless steel overbraid	2: Lugs with BX		2: Lugs with BX			
T: T/C	4: FEP insulation	3: Standard plug		3: Standard plug			
2: RTD 2-wire	5: Stainless steel flex hose	4: Standard jack		4: Standard jack			
3: RTD 3-wire	6: FEP over SS flex hose	6: Mini plug		6: Mini plug			
		7: Mini jack		7: Mini jack			
		9: Fastabs		9: Fastabs			
		A: Fastabs with BX		A: Fastabs with BX			

## COMPRESSION FITTINGS



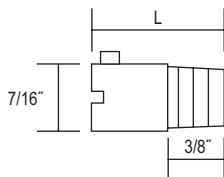
MODEL CHART							
Model	Type OD	Thread Size	Material	Model	Type OD	Thread Size	Material
144-0012	1/8"	1/8-27 NPT	Brass	144-0014	1/4"	1/4-18 NPT	Brass
144-0009	3/16"	1/8-27 NPT	Brass	144-0024	1/4"	1/8-27 NPT	SS
144-0022	3/16"	1/8-27 NPT	SS	144-0037	.260 - .275"	1/4-18 NPT	FEP

## PIPE ADAPTERS



MODEL CHART					
Model	Fits Pipe Diameters	Model	Fits Pipe Diameters	Model	Fits Pipe Diameters
1568-0007	1/2" to 7/8"	1568-0020	6-1/4" to 6-3/4"	1568-0025	17-3/4" to 18-1/4"
1568-0008	7/8" to 1-1/2"	1568-0021	7-3/4" to 8-1/4"	1568-0027	19-3/4" to 20-1/4"
1568-0009	1-5/16" to 2-1/4"	1568-0022	9-3/4" to 10-1/4"	1568-0028	23-3/4" to 24-1/4"
1568-0011	2-1/4" to 3-5/16"	1568-0023	11-3/4" to 12-1/4"	1568-0029	29-3/4" to 30-1/4"
1568-0013	4-5/16" to 5-1/4"	1568-0024	15-3/4" to 16-1/4"		

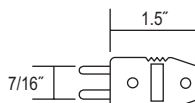
## BAYONET ADAPTERS



MODEL CHART		
Model	L	Thread Size
1568-0001	7/8"	1/8-27 UNF
1568-0002	7/8"	3/8-24 UNF
1568-0003	1-3/8"	1/8-27 UNF
1568-0004	1-3/8"	3/8-24 UNF
1568-0005	2-1/2"	1/8-27 UNF
1568-0006	2-1/2"	3/8-24 UNF
1568-0016	2-1/2"	10 x 1.5 mm

## TRANSITION ADAPTERS

These adapters convert the miniature plug on the end of the coiled cable on the Master Probe Handle to a standard lug. Simply plug the cord into the adaptor.



MODEL CHART	
Model	Type
481-0127	K
481-0128	T