



### Description & Features:

- Type J & K thermocouple sensors offering a wide temperature range; other types available upon request
- Light weight aluminum connection enclosure
- Terminal connections standard
- 316 SS sheath material
- IP54 or ATEX rated enclosure available
- Multi-point, high pressure and surface mount sensors available
- Available with or without 316 SS thermowells
- 1 year warranty

### Applications:

- Refineries, petrochemical plants, gas-to-liquid (GTL) processes, storage tanks, low density polyethylene processes, power plants, paper production plants, kilns, food & beverage, etc..

Note: Thermowell optional

### Specifications

<b>Head</b>	Aluminum (standard) or stainless steel
<b>Element</b>	Type J & K standard
<b>Output Signal</b>	2-wire terminal block (standard), 4-20mA transmitter available
<b>Accuracy</b>	±0.4% Class 1
<b>Temperature Range</b>	J: -328°F to 1,382°F (-200°C to 750°C) K: -328°F to 2,192°F (-200°C to 1,200°C)
<b>Extension Material</b>	Galvanized carbon steel or 316 SS
<b>Sheath Material</b>	316 SS
<b>Pressure Rating</b>	7,000 psi (48,263 kPa) maximum, high pressure sensors available
<b>Process Connection</b>	1/2" NPTM (3/4" NPTM with well)
<b>Conduit Connection</b>	1/2" NPTF
<b>Enclosure Rating</b>	IP54 or ATEX ia

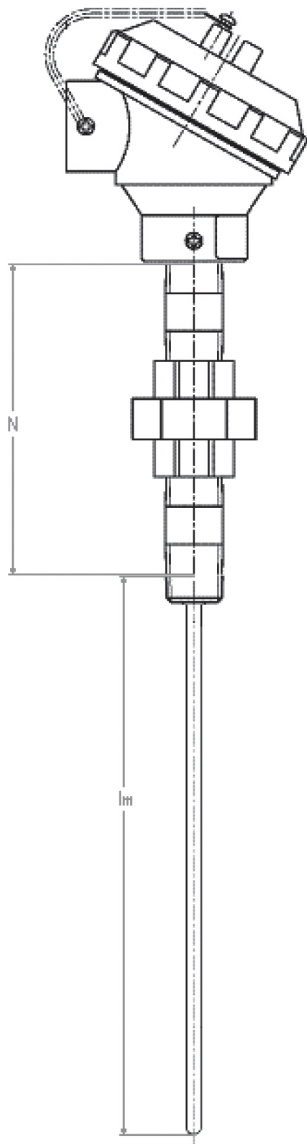
### Order Codes

Sensor Type	Sensor Length	Extension Material	IP54 Enclosure	ATEX ia Enclosure
J	100mm	Galvanized Carbon Steel	TET11100	TET11100XPS2
	200mm		TET11200	TET11200XPS2
	300mm		TET11300	TET11300XPS2
	400mm		TET11400	TET11400XPS2
	100mm	Stainless Steel	TET12100	TET12100XPS2
	200mm		TET12200	TET12200XPS2
	300mm		TET12300	TET12300XPS2
	400mm		TET12400	TET12400XPS2
K	100mm	Galvanized Carbon Steel	TET21100	TET21100XPS2
	200mm		TET21200	TET21200XPS2
	300mm		TET21300	TET21300XPS2
	400mm		TET21400	TET21400XPS2
	100mm	Stainless Steel	TET22100	TET22100XPS2
	200mm		TET22200	TET22200XPS2
	300mm		TET22300	TET22300XPS2
	400mm		TET22400	TET22400XPS2

Other materials, sensor lengths and element types available upon request.  
Multi-point, high pressure and surface mount sensors available upon request.

### Option suffix:

TBR = 316 SS threaded thermowell      TWW = 316 SS weld-in thermowell  
TWF = 316 SS flanged thermowell



### Temperature Range Codes

°F only	Code	°C only	Code
-40°F to 120°F	B14	-80°C to 50°C	B26
-40°F to 160°F	B15	-50°C to 50°C	B27
0°F to 140°F	B16	0°C to 50°C	B28
0°F to 200°F	B17	-50°C to 100°C	B29
20°F to 240°F	B18	0°C to 100°C	B30
0°F to 250°F	B19	-20°C to 120°C	B31
50°F to 300°F	B20	0°C to 150°C	B32
50°F to 400°F	B21	0°C to 200°C	B33
50°F to 550°F	B22	0°C to 300°C	B34
150°F to 750°F	B23	0°C to 450°C	B35
0°F to 800°F	B24	100°C to 550°C	B36
200°F to 1,000°F	B25	-	-

Other temperature ranges available upon request.

Sensor Length	N	Im
4" (100mm)	6.3" (160mm)	4" (100mm)
8" (200mm)		8" (200mm)
12" (300mm)		12" (300mm)
16" (400mm)		16" (400mm)

### Wiring

