

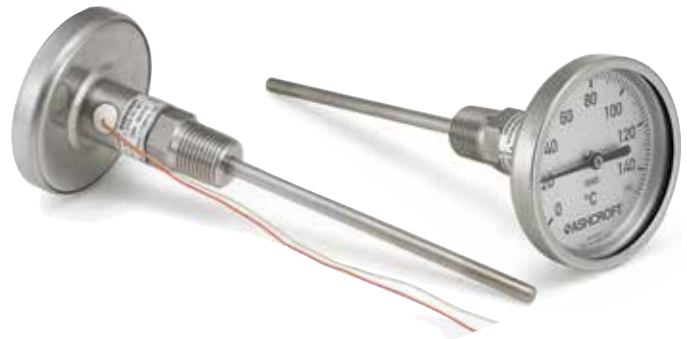
## Model K Dual Sensor Thermometer

### FEATURES

- Combination of bimetal and K thermocouple
- Combines a local indicator and signal for remote control
- Two independent sensors in one measuring point
- Thermocouple: Class 1 according to ANSI MC 96.1 or IEC 60584-2/EN 60584-2 per request
- Silicone dampened coil for reduction of pointer flutter on high vibration application and provides improved response times

### TYPICAL USES

- Offshore oil rigs
- Chemical and petrochemical plants
- Water and wastewater pressure control
- Pulp and paper
- Refineries
- Power
- General industrial
- HVAC
- Equipment skids
- Pharmaceutical / biotech
- Food and beverages



**Model K**  
80,100, 130, 150 mm dial sizes



### SPECIFICATIONS

Bimetal Accuracy:	EN 13190 Class 1
K Thermocouple Accuracy:	Class 1 ANSI MC 96.1 & IEC 60584-2/EN 60584-2
Stem Length:	90 mm min, 6 & 6.35 mm: 650 mm max 8&9 mm 2000 mm max
Thermocouple Cable Length:	1 meter
Thermocouple Material:	PFA (Perfluoroalkoxy Polymer)
Case Sizes:	80, 100, 130, 150 mm
Dial Style:	Black figures on silver background, aluminum
Over temperature Limits:	-100°F (-70°C) to 500°F (250°C)
Process Connection:	½ NPT
Stem Diameter	6, 6.35, 8, 9 mm
Case & Stem:	Case 304 SS, stem 304 & 316 SS
Process Connection Location:	Center back
Pointer:	Black, aluminum
Window:	Glass, acrylic, safety glass, acrylic window with external pointer

### CAUTION

Thermowells should be used on all pressurized applications over 15 psi, to protect the thermometer from corrosion or physical damage, and to facilitate removal of the thermometer without disturbing the process.

### KEY BENEFITS

- Reduces installation costs
- Space reduction
- All Welded stainless steel construction

## Model K Dual Sensor Thermometer

ORDERING CODE	Example:	TB	K	F	D	R	F	04	C	B	090	E	0T250F	D	-XNH
<b>Product</b>															
TB - Temperature Bimetal		TB													
<b>Model</b>															
K - Type K Dual Sensor Thermometer			K												
<b>Case Size</b>															
E - 80 mm															
F - 100 mm				F											
K - 130 mm															
H - 150 mm															
<b>Case Fill</b>															
D - Dry					D										
N - Dry, Silicone Free															
<b>Window Material</b>															
R - Regular Glass						R									
S - Safety Glass															
A - Acrylic															
<b>Connection Style</b>															
F - Fixed							F								
<b>Process Connection</b>															
04 - 1/2 NPT Male								04							
<b>Stem Location</b>															
C - Center Back									C						
<b>Stem Diameter</b>															
A - 6 mm										B					
B - (1/4") 6.35 MM															
D - 8 mm															
K - 9 mm															
<b>Stem Length (Consult factory for custom or longer stem length)</b>															
02H - 2.5"															
040 - 4"															
060 - 6"															
090 - 9"											090				
120 - 12"															
150 - 15"															
180 - 18"															
240 - 24"															

Ordering code guide continues on next page.

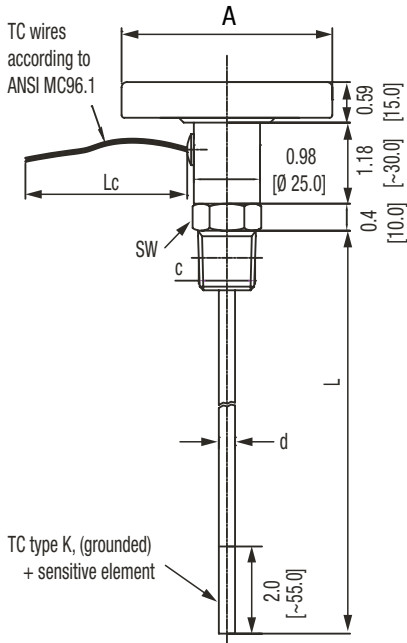
## Model K Dual Sensor Thermometer

ORDERING CODE	Example:	TB	E	3	D	P	F	04	C	B	090	E	0T250F	D	-XNH	
<b>Stem Units</b>																
E - Inches												E				
<b>Range</b>																
N80T120F (-80 to 120F)																
N40T120F (-40 to 120F)																
N20T120F (-20 to 120F)																
0T100F (0 to 100F)																
0T200F (0 to 200F)																
0T250F (0 to 250F)												0T250F				
20T120F (20 to 120F)																
30T130F (30 to 130F)																
50T300F (50 to 300F)																
50T400F (50 to 400F)																
N50T50C (-50 to 50C)																
N30T50C (-30 to 50C)																
N20T120C (-20 to 120C)																
N10T110C (-10 to 110C)																
N10T50C (-10 to 50C)																
0T50C (0 to 50C)																
0T100C (0 to 100C)																
0T120C (0 to 120C)																
0T150C (0 to 150C)																
0T200C (0 to 200C)																
0T250C (0 to 250C)																
0T300C (0 to 300C)																
10T150C (10 to 150C)																
<b>Single or Dual Scale</b>																
S - Single scale																
D - Dual scale, dominant scale interior														D		
<b>Variations (If choosing an option(s) must include an "-X")</b>																
C4 - Cal chart																
DM - Dial marking																
EP - Min/Max external pointer																
NN - Paper tag																
NH - Stainless tag															-XNH	
YW - 316 Stainless steel																

# Model K Dual Sensor Thermometer

**DIMENSIONS** are identified in inches and [millimeters]

For reference only, consult Ashcroft for specific dimensional drawings.



**DIAL DIMENSION TABLE**

Case Size	A Dimension
80 mm	3.03 [77]
100 mm	3.90 [99]
130 mm	5.0 [127]
150 mm	5.91 [149]