

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: 1/2 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

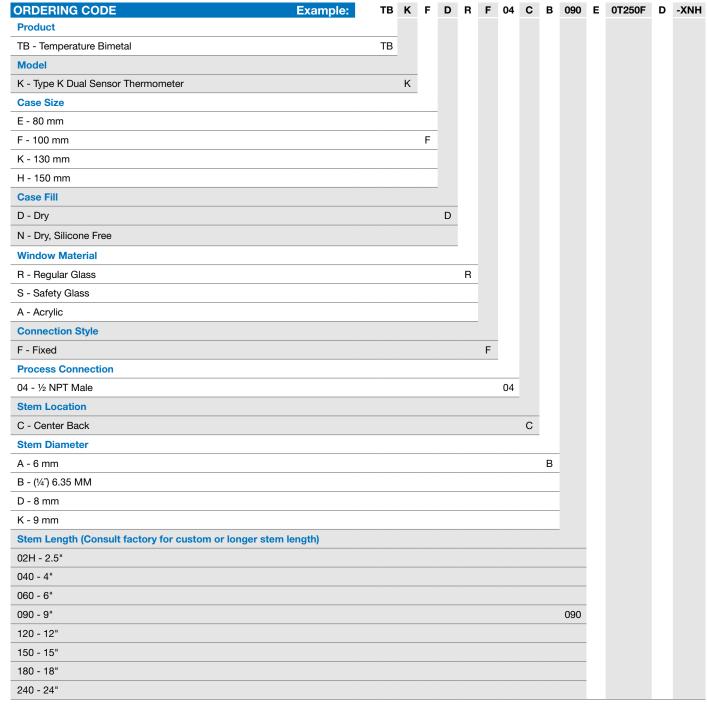
Thermowells should be used on all pressurized applications over 15 psi, to protect the thermometer from corrosion or physical damage, and to facilitate removal of the thermometer without disturbing the process.

KEY BENEFITS

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



Model K Dual Sensor Thermometer



Ordering code guide continues on next page.



Model K Dual Sensor Thermometer

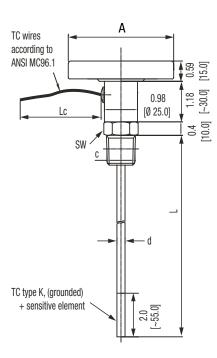
E- Inches	ORDERING CODE	Example:	тв Е	3	D	Р	F 04	С	В	090	E 0T250)F [-XNH
Range N80T120F (-80 to 120F) N80T120F (-20 to 120F) 0T1200F (0 to 100F) 0T1200F (0 to 200F) 0T1200F (0 to 200F) 0T1200F (0 to 120F) N80T130F (50 to 300F) N80T130F (50 to 400F) N80T130F (50 to 400F) N80T130F (50 to 50C) N80T150C (-30 to 50C) N80T150C (-30 to 50C) N10T110C (-30 to 120C) 0T150C (0 to 50C) 0T150C (0 to 50C) 0T120C (0 to 120C) 0T150C (0 to 50C)	Stem Units												
N80T120F (-80 to 120F) N80T120F (-20 to 250F) OT250F (0 to 250F) OT250F (-20 to 120F) N80T130F (-50 to 300F) N80T150C (-50 to 50C) N80T150C (-50 to 50C) N80T150C (-10 to 50C) N10T110C (-10 to 10C) N10T150C (-10 to 50C) OT150C (0 to 120C) OT150C (0 to 250C) OT300C (0 to 250C) OT	E - Inches										E		
NAOT120F (-40 to 120F) N20T120F (-20 to 120F) DT200F (0 to 200F) DT200F (0 to 200F) DT250F (0 to 250F) OT250F (0 to 250F) OT250F (0 to 250F) OT250F (0 to 120F) OT250F (0 to 120F) OT250F (0 to 120F) OT250F (50 to 300F) SOT300F (50 to 300F) SOT300F (50 to 300F) SOT300F (50 to 400F) NS0T500 (-50 to 50C) N30T500 (-50 to 50C) N30T500 (-10 to 50C) N30T500 (-10 to 50C) DT100C (0 to 110C) N10T110C (-10 to 110C) N10T110C (-10 to 110C) DT120C (0 to 120C) DT100C (0 to 50C) DT100C (0 to 50C) DT100C (0 to 50C) DT100C (0 to 50C) DT100C (0 to 150C) DT200C (0 to 250C) DT300C (0 to 250C) DT300C (0 to 300C) DT300	Range												
N201120F (-20 to 120F) 01100F (0 to 100F) 011250F (0 to 200F) 011250F (0 to 250F) 011250F (0 to 250F) 011250F (0 to 120F) 01130F (30 to 130F) 01130F (30 to 130F) 01130F (30 to 130F) 01130F (50 to 400F) 01501400F (50 to 400F) 01501400F (50 to 400F) 0150150C (-20 to 120C) 0150150C (-20 to 120C) 0150150C (-10 to 50C) 0150C (0 to 5	N80T120F (-80 to 120F)												
### Carritops (0 to 100F) ### Carritops (0 to 200F) ### Carritops (0 to 200F) ### Carritops (0 to 200F) ### Carritops (0 to 120F) ### Carritops (0 to 120C) ### Carritops (1 to 150C) ### Carritops (1 to 120C) ### Carritops (1 t	N40T120F (-40 to 120F)												
### STEADOR (0 to 200F) ### STEADOR (0 to 250F) ### STEADOR (0 to 250F) ### STEADOR (0 to 120F) ### STEADOR (0 to 120C) ### ST	N20T120F (-20 to 120F)												
07250F (0 to 250F) 07250F (0 to 250F) 07250F (20 to 120F) 07210F (20 to 120F) 07250F (50 to 300F) 07250F (50 to 300F) 07250F (50 to 400F) 07250F (50 to 50C) 07250F (-30 to 50C) 07250F (-10 to 110C) 07250F (-10 to 110C) 07250F (-10 to 50C) 07250F (-10 to 50C) 07250F (-10 to 100C) 07250F (0 to 120C) 07250F (0 to 250C)	0T100F (0 to 100F)												
201120F (20 to 120F) 301130F (30 to 130F) 501300F (50 to 300F) 501300F (50 to 400F) N50150C (-50 to 50C) N50150C (-50 to 50C) N201120F (-20 to 120C) N101110C (-10 to 110C) N10150C (-10 to 50C) D110C (0 to 50C) D110C (0 to 100C) D1120C (0 to 120C) D120C (0 to 120C) D120C (0 to 150C) D130C (0 to 50C) D130C (0 to 50C) D150C (0 to	0T200F (0 to 200F)												
20T130F (30 to 130F) 50T300F (50 to 300F) 50T300F (50 to 400F) NS0T50C (-50 to 50C) NS0T50C (-20 to 50C) N20T120C (-20 to 120C) N10T110C (-10 to 110C) N10T50C (-10 to 50C) DT50C (0 to 50C) DT50C (0 to 50C) DT50C (0 to 150C) DT50C (0 to 50C) DT50C (0 to 5	0T250F (0 to 250F)										0T250	F	
50T300F (50 to 300F) 50T400F (50 to 400F) N50T50C (-50 to 50C) N30T50C (-30 to 50C) N20T120C (-20 to 120C) N10T110C (-10 to 110C) N10T510C (-10 to 50C) OT50C (0 to 50C) OT50C (0 to 50C) OT100C (0 to 100C) OT150C (0 to 150C) OT150C (0 to 150C) OT150C (0 to 150C) OT150C (0 to 150C) OT150C (0 to 50C) OT150C (10 to 150C) OT150C	20T120F (20 to 120F)												
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NS0TSOC (-50 to 50C) N30TSOC (-30 to 50C) N30TSOC (-30 to 50C) N20T120C (-20 to 120C) N10T110C (-10 to 110C) N10T50C (-10 to 50C) DT50C (0 to 50C) DT50C (0 to 50C) DT100C (0 to 100C) DT120C (0 to 120C) DT150C (0 to 150C) DT200C (0 to 250C) DT200C (0 to 250C) DT300C (0 to 250C) DT300C (10 to 150C) DT300C (50T300F (50 to 300F)												
N30750C (-30 to 50C) N207120C (-20 to 120C) N107110C (-10 to 110C) N10750C (0 to 50C) D750C (0 to 50C) D7100C (0 to 100C) D7120C (0 to 120C) D7120C (0 to 150C) D7120C (0 to 200C) D7120C (0 to 200C) D7120C (0 to 200C) D7120C (0 to 200C) D7130C (0 to 300C) D7130C (0 to 300C) D7130C (0 to 300C) D7130C (10 to 150C) D7130C (10 to	50T400F (50 to 400F)												
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N10T110C (-10 to 110C) N10T50C (-10 to 50C) 0T50C (0 to 50C) 0T100C (0 to 100C) 0T120C (0 to 120C) 0T120C (0 to 150C) 0T120C (0 to 250C) 0T200C (0 to 250C) 0T250C (0 to 250C) 0T250C (0 to 250C) 0T300C (0 to 300C) 10T150C (10 to 150C) Single or Dual Scale S - Single scale D - Dual scale, dominant scale interior D Variations (If choosing an option(s) must include an "-X") C4 - Cal chart DM - Dial marking EP - Min/Max external pointer NN - Paper tag NH - Stainless tag - XNI	N30T50C (-30 to 50C)												
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### DETSOC (0 to 50C) ### DETSOC (0 to 100C) ### DETSOC (0 to 100C) ### DETSOC (0 to 120C) ### DETSOC (0 to 150C) ### DETSOC (0 to 250C)	N10T110C (-10 to 110C)												
### DT100C (0 to 100C) ### DT120C (0 to 120C) ### DT150C (0 to 150C) ### DT150C (0 to 150C) ### DT250C (0 to 250C) ### DT300C (0 to 250C) ### DT300C (0 to 300C) ### DT300C (0 to 300C) ### DT300C (0 to 150C) ### Bigle or Dual Scale ### Bigle or Dual Scale ### D- Dual scale, dominant scale interior ### DD DUAL Scale (If choosing an option(s) must include an "-X") ### DM - Dial marking ### DM - Dial marking ### DP - Min/Max external pointer ### NN - Paper tag ### NN - Paper tag ### NN - Paper tag ### Stainless tag ### - XNI	N10T50C (-10 to 50C)												
DT120C (0 to 120C) DT150C (0 to 150C) DT200C (0 to 250C) DT250C (0 to 250C) DT300C (0 to 300C) DT300C (0 to 300C) Single or Dual Scale S - Single scale D - Dual scale, dominant scale interior D Variations (If choosing an option(s) must include an "-X") C4 - Cal chart DM - Dial marking EP - Min/Max external pointer NN - Paper tag NH - Stainless tag -XNI	0T50C (0 to 50C)												
DT150C (0 to 150C) DT250C (0 to 200C) DT250C (0 to 250C) DT300C (0 to 300C) DT300C (0 to 300C) DT300C (0 to 150C) Single or Dual Scale S - Single scale D - Dual scale, dominant scale interior D - Variations (If choosing an option(s) must include an "-X") C4 - Cal chart DM - Dial marking EP - Min/Max external pointer NN - Paper tag NH - Stainless tag -XNI	0T100C (0 to 100C)												
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Single or Dual Scale S - Single scale D - Dual scale, dominant scale interior Variations (If choosing an option(s) must include an "-X") C4 - Cal chart DM - Dial marking EP - Min/Max external pointer NN - Paper tag NH - Stainless tag -XNI-	0T300C (0 to 300C)												
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D - Dual scale, dominant scale interior Variations (If choosing an option(s) must include an "-X") C4 - Cal chart DM - Dial marking EP - Min/Max external pointer NN - Paper tag NH - Stainless tag -XNE	Single or Dual Scale												
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C4 - Cal chart DM - Dial marking EP - Min/Max external pointer NN - Paper tag NH - Stainless tag -XNH	D - Dual scale, dominant scale interior)
DM - Dial marking EP - Min/Max external pointer NN - Paper tag NH - Stainless tag -XNH	Variations (If choosing an option(s) must include an "-X"	")											
EP - Min/Max external pointer NN - Paper tag NH - Stainless tag -XNH	C4 - Cal chart												
NN - Paper tag NH - Stainless tag -XNF	DM - Dial marking												
NH - Stainless tag -XNH	EP - Min/Max external pointer												
· · · · ·	NN - Paper tag												
YW - 316 Stainless steel	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]					