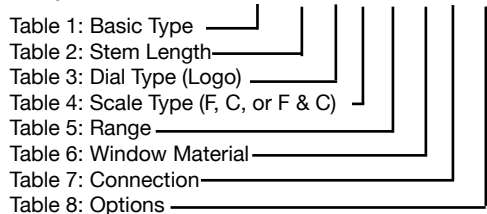


# Ordering Bimetal Thermometers

Sample Part Number: 30 060 D 0 01 G 4 XX



**Table 1- Basic Type**

Process Grade- Resettable		Industrial Grade- Non-Resettable	
Type	Description	Type	Description
30	3" Back Connected	20	2" Back Connected
31	3" Bottom Connected	33	3" Back Connected
32	3" Adjustable Angle	34	3" Bottom Connected
50	5" Back Connected	53	5" Back Connected
51	5" Bottom Connected	54	5" Bottom Connected
52	5" Adjustable Angle		

Stem lengths above 24" are not available in non-resettable models

**Table 2- Stem Length - (specify as XX.X" with no decimal point, see "code")**

Stem Length	2.5 - 9"	12"	15"	18"	24"	30"	36"	42"	48"	54"	60"	66"	72"
Code	025	120	150	180	240	300	360	420	480	540	600	660	720

**Table 3- Dial Type**

Code	Description
D	WIKA standard
X	Special

**Table 4 - Scale Type**

Code	Description
0	Dual scale Fahrenheit and Celsius
1	Single scale Celsius only
2	Single scale Fahrenheit only

**Table 5 - Range**

Code	°F Range	Figure Int.	Div.	Dual Scale			Single Scale	
				°C range	Figure Int.	Div.	°F Range	°C Range
01 <sup>(3)</sup>	-100/150°F	20°	2°	-70/70°C	10°	1°	-100/150°F	-70/70°C
13	-80/120°F	20°	2°	-60/50°C	10°	1°	-80/120°F	-60/50°C
02	-40/120°F	20°	2°	-40/50°C	10°	1°	-40/120°F	-50/50°C
14	-20/120°F	20°	2°	-30/50°C	10°	1°	-20/120°F	-30/50°C
19	-40/160°F	20°	2°	-40/70°	10°	1°	-40/160°F	-40/70°C
23 <sup>(1)</sup>	0/100°F	10°	1°	-20/40°C	5°	½°	0/100°F	-20/40°C
03 <sup>(1)</sup>	25/125°F	10°	1°	-5/50°C	5°	½°	25/125°F	0/50°C
15 <sup>(1)</sup>	30/130°F	10°	1°	0/55°C	5°	½°	30/130°F	0/55°C
04	0/140°F	10°	1°	-20/60°C	5°	½°	0/140°F	-20/60°C
05	0/200°F	20°	2°	-15/90°C	10°	1°	0/200°F	0/100°C
06	0/250°F	20°	2°	-20/120°C	10°	1°	0/250°F	-20/120°C
07	20/240°F	20°	2°	-5/115°C	10°	1°	20/240°F	-10/110°C
08	50/300°F	20°	2°	10°/150°C	10°	1°	50/300°F	0/150°C
09	50/400°F	50°	5°	10/200°C	20°	2°	50/400°F	0/200°C
10	50/500°F	50°	5°	10/260°C	20°	2°	50/500°F	0/250°~
16 <sup>(3)</sup>	50/550°F	50°	5°	10/290°C	20°	2°	50/550°F	10/290°C
17 <sup>(3)</sup>	0/600°F	100°	10°	-20/315°C	50°	5°	0/600°F	-20/315°C
11 <sup>(3)</sup>	150/750°F	100°	10°	65/400°C	50°	5°	150/750°F	0/300°C
18 <sup>(3)</sup>	100/800°F	100°	10°	40/425°C	50°	5°	100/800°F	0/450°C
12 <sup>(2, 3)</sup>	200/1000°F	100°	10°	100/540°C	50°	5°	200/1000°F	100/550°C

<sup>(1)</sup> Not available with 2½" stem on Models 31, 32, 34, 51, 52, 54

<sup>(2)</sup> Not recommended for continued use over 800°F

<sup>(3)</sup> Silicone fill not available

# Ordering Bimetal Thermometers

**Table 6 - Window Material**

Code	Description
A	Acrylic plastic (standard w/Silicone fill)
G <sup>1)</sup>	Plain glass (standard)
L	Lexan® (not available on 5" dial)
S <sup>1)</sup>	Shatterproof safety glass (3" & 5" dials only)

1) not available with silicone fill

**Table 7 - Connection**

Code	Description
0	Plain (unthreaded)
1	1/8" NPT (Model 20 only)
2	1/4" NPT (standard on Model 20)
3	3/8" NPT (N/A Models 32, 31,34, 52, 54)
4	1/2" NPT (standard on 3" & 5" Models)
5	G 1/2" B (Models 30 & 50 only)
7	1/2" NPT Adjustable union (Models 32 & 52 only)

**Table 8 - Options (3" and 5" Models)**

Code	Description
DM	Dampened Movement
SF	Silicone filled- (Models 30,31,32,50,51**,52 only)
ST	Sharp tip
MM	Min/Max pointer (Models 30 & 50 only)
LS	Left side connection (Models 31,51 only)
RS	Right side connection (Models 31,51 only)
TS	Top connection (Models 31, 51 only)
DF <sup>2)</sup>	Dry with plug (30, 31, 32, 50, 51, 52)
SP <sup>3)</sup>	Stop pin

2) Prepares unit for liquid case filling and shipped dry  
 3) Customer to supply 'stop pin' location (low scale, high scale, other)

**.375 Stem Diameter Upgrade Option**

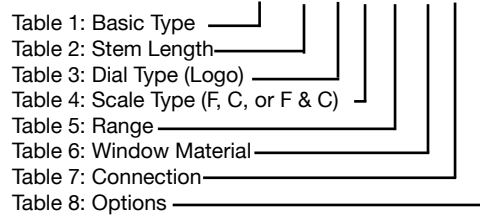
Code	Description
HA <sup>(4)</sup>	Full length
HD <sup>(4)</sup>	Reduced tip
HS <sup>(4)</sup>	Reduced w/sharp tip

**316 Stainless Steel Wetted Parts Upgrade available on .250 Stem Diameter**

Code	Description
SS <sup>(4)</sup>	316 Wetted Parts

<sup>(4)</sup> only available with Process Grade types (30, 31, 32, 50, 51, 52)

**Sample Part Number: 30 060 D 0 01 G 4 XX**



**Certificates**

Description	Part Number
Certificate of Compliance	N/A
NIST Factory Certificate of Accuracy	N/A

**Accessories**

Part Number	Description
TA600-0111	1/2" Union Locknut
TA800-0T85	T-85 Conv Kit
TA800-0020	1/2" NPT Duct Flg.
N/A	SS Tag
2256045	5.3 oz. tube heat transfer compound for use in thermowells

**ABBREVIATIONS**

N/A - this option is not available  
 STD - this option comes standard

# Bimetal Thermometer Options



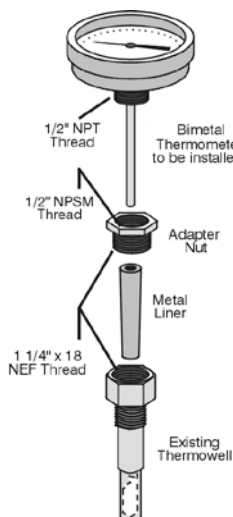
**DAMPENED MOVEMENT**

**Dampened Movement**

Engineered solution providing benefits of case fill in a dry configuration. This silicone-free option provides dampening in tough environments at all available temperature ranges. Available in all process grade models.

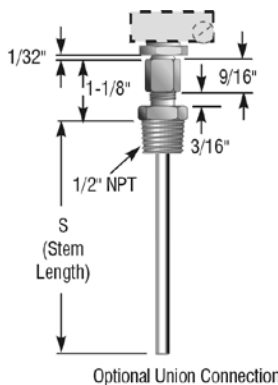
**T-85 Thermowell Conversion Kit**

This conversion kit offers an easy, inexpensive way to install a WIKA bimetal thermometer in a glass industrial thermometer's thermowell. For more information, please consult factory. To order, specify part number **TA800-0T85**.



**Adjustable Union Connection**

The WIKA Adjustable Union Connection allows for the installation of a Type 32 or 52 adjustable angle thermometer without rotating the case. Ideal for use in a confined space.



**Left, Right or Top Connection**

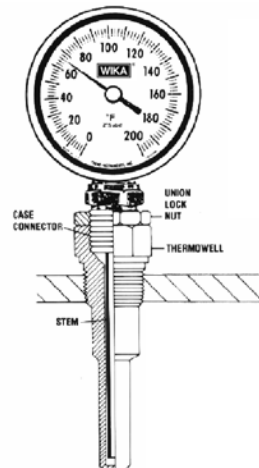
All WIKA 3" and 5" Bottom Connected thermometers are available with the connection oriented to the left, right or top. Please see "How to Order" on next page for this option.

**Not Shown**

- Heavy duty 3/8" stems and 3/8" stems with 2 1/2" x 1/4" OD sensitive portion available
- Thermometers may be ordered with sharp tips for piercing media to be measured
- 316 stainless steel wetted parts are available
- 1/2" NPT duct flange

**Union Lock Nut**

The WIKA Union Lock Nut provides a simple and inexpensive means to mount WIKA bimetal thermometers with 1/2" NPT so that the dial is oriented for proper viewing. For more information, please consult factory. To order, specify part number **TA600-0111**.



**Maximum or Minimum Indicating Pointer**

This option allows operator to view what the highest or lowest temperature has been in the process. High vibration environments are not recommended.



- Acrylic, Lexan, shatterproof and glass windows
- Stainless steel tags are available options
- Silicone Fill
- Certificates of Conformance, Origin and Calibration available
- Please see these options on Table 8 of "Ordering Bimetal Thermometers" on pages 391, 392.
- Other options are available. Please consult factory.