



To order a TREND Gas Actuated Thermometer, specify a complete model number from the following tables. Any special feature not shown must be specified in detail in addition to the model number.

Model Number: R45 - E - L - 3 - 8 - 7 - 05 - 006 - MM
 Table 1: Case Size
 Table 2: Case Style
 Table 3: Connection
 Table 4: Window Material
 Table 5: Thermal System
 Table 6: Bulb Selection
 Table 7: Capillary Length (feet)
 Table 8: Temperature Range
 Table 9: Options

Table 1 – Case Size

Code	Description
R20	2" Case
R25	2-1/2" Case
R35	3-1/2" Case
R45	4-1/2" Case
R60	6" Case

Table 2 – Case Style

Code	Mounting	Material	Bezel	Dial Size
U	U-Clamp	Stainless Steel	N/A	2", 2-1/2", 3-1/2"
U	U-Clamp	Stainless Steel	Bayonet	4-1/2" (glass only)
U	U-Clamp	Stainless Steel	Bayonet	3-1/2" (glass only)
U	U-Clamp	Stainless Steel	Bayonet	6" (glass only)
F	Front Flange	Stainless Steel	N/A	2", 2-1/2"
R	Front Flange	Stainless Steel	N/A	3-1/2" (plastic)
F	Front Flange	Aluminum	Hinged Ring	4-1/2", 6" (glass only)
B	Back Flange	Aluminum	Threaded	4-1/2"
E	Turret	Phenolic/GRP	Threaded	4-1/2" & 6"
K	Back Flange	Stainless Steel	Bayonet	3-1/2", 4-1/2", 6" (glass)
V	Just-Rite® Adjustable Angle	Stainless Steel	Bayonet	4-1/2" (glass only)
V	Just-Rite® Adjustable Angle	Stainless Steel	Bayonet	6" (glass only)
S	Semi-flush Front Flange	Stainless Steel	Bayonet	3-1/2", 4-1/2", 6"
C	Front Flange	Stainless Steel	N/A	3-1/2", 4-1/2"
D	Back Flange	Stainless Steel	N/A	3-1/2", 4-1/2"

Table 3 – Connection

Code	Description	Case Size	Case Type
B	Back Connection	2", 2-1/2", 3-1/2", 4-1/2", 6"	ALL
L	Bottom Connection	2., 2-1/2", 3-1/2", 4-1/2", 6"	E, B, K, D
A	Adjustable Angle	4-1/2", 6"	V

Table 4 – Window

Code	Description	Case Size	Case Type
3	Acrylic	2", 2-1/2", 3-1/2"	ALL
3	Acrylic	4-1/2"	ALL
4	Glass	2-1/2" (chrome)	ALL
4	Glass	3-1/2" (rubber)	ALL
5	Glass	3-1/2", 4-1/2" and 6"	ALL
5	Safety Glass	4-1/2"	E, B (case only)

Special Table

5 & 6 Note:

The only possible thermal system/bulb combinations are as follows:
 04, 06, 09, 0X,
 22, 31, 32, 42,
 87, 88, 91, H7,
 H8, 51, 52

Table 5 – Thermal System

Code	Bulb Type	Bulb Material	Capillary Material	Capillary Protection
0	Just-Rite 1/2" NPT	Stainless Steel	N/A	N/A
2	Plain	Copper	Copper	Copper Braid**
3	Plain	Stainless Steel	Stainless Steel	SS Spring Armor*
4	Standard Union 1/2" NPT	Copper	Copper	Copper Braid**
5	Standard Union 1/2" NPT	Stainless Steel	Stainless Steel	SS Spring Armor*
8	Sliding Union 1/2" NPT	Stainless Steel	Stainless Steel	SS Spring Armor*
9	Plain, with 12" extension; 1/2" NPT Compression fitting on capillary	Stainless Steel	Stainless Steel	SS Spring Armor*
H	1/2" NPT One-Time Compression Fitting on 12" Bendable Extension	Stainless Steel	Stainless Steel	SS Spring Armor*

*Stainless Steel Interlocking Armor (SI) will be supplied on all systems over 40 feet in length. to indicate Stainless Steel Interlocking Armor, add SI after Capillary Length and add \$6.20 per foot total length in place of "per add'l. ft." as indicated above.

**Copper systems not recommended over 550°F (300°C). Copper systems only available to 25 ft. in length. Maximum capillary length is 99'.

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Special Table

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Table 6 – Bulb Selection

Code	Description		
1	Plain Bulb or Standard Union w/Extension: 3/8" x 3.0" active + 12" rigid extension		
2	Plain bulb or Standard Union: 3/8" x 3.5"		
3	Special Diameter Stainless Steel Bulb. Consult Factory.		
	Type	Length	For Thermowell
			O.A. Length "U" Dimension (Immersion)
*4	Just-Rite	3/8" x 4.0"	4-1/4" 2-1/2"
6	Just-Rite	3/8" x 6.0"	6-1/4" 4-1/2"
			2-1/2" (for lagging extension)
9	Just-Rite	3/8" x 9.0"	9-1/4" 7-1/2"
			4-1/2" (for lagging extension)
7	Sliding Union: 3/8" x 3.0" with 12" Bendable Extension 2-1/2" to 10-1/2"		
8	Sliding Union: 3/8" x 3.0" with 18" Bendable Extension		
X	Extension for Bulb or Bendable Extension over specified length. Please Specify		

* Not available with -320/100 °F or 400/1200 °F

Table 7 – Capillary Length

Specify capillary length in feet. Copper thermal systems available only to 25 feet in length. Stainless steel systems exceeding 40 feet require stainless steel interlocking armor. Maximum capillary length is 99 feet.

Table 8 – Temperature Range

Code	Dual Scale F & C	
*001	-320/100°F	-200/40°C
002	-120/120°F	-80/50°C
003	0/120°F	-20/50°C
004	0/160°F	-40/80°C
005	-40/180°F	-10/115°C
006	20/240°F	-20/150°C
007	0/300°F	0/200°C
008	0/400°F	0/300°C
*009	50/550°F	0/400°C
*010	50/750°F	200/650°C
011	400/1200°F	0/200°C

*Indicates LT and HT Option in Table 9, requires additional cost.

Table 9 – Options

Code	Description
OO	No Accessories
MM	Min/Max Pointer (Acrylic Window Only)
RS	Red Set Hand
FR	Flush Mounting Ring for Code E Case
*HT	High Temperature (750°F and above)
*LT	Low Temperature (Cryogenic: -320°F and below)
	Set Up Charge, per lot (-320°F)
DF	Duct Flange, Aluminum
DP	Dash Pot Movement (n/a in 2", 2-1/2" & 3" Back Connected)
SI	Stainless Steel Interlocking Armor

*Requires additional cost.

