

How to Order

Model **Style/Stem** **Stem Length** **Temp Range** **Sensor** **Output** **Thermowell**
 (Table 1) (Table 2) (Table 3) (Table 4) (Table 5) (Table 6)

DM **TA** **04** **F23** **TK** **MC** **046**

Table 1 - Style & Stem Dia.

Code		Description
3/8" Stem	1/4" Stem	
TA	4A	3" Back Connected
TC	4C	4" Back Connected
TB	4B	5" Back Connected
TL	4L	3" Adjustable-Angle
TM	4M	4" Adjustable-Angle
TJ	4J	5" Adjustable-Angle

Table 2 - Stem Length

Code	Length	Code	Length
02*	2.5"	15	15"
04	4"	18	18"
06	6"	24	24"
09	9"	30	30"
12	12"	36	36"

Table 3 - Temperature Range

* available only with 3/8" dia. stem.

Code	Degrees F	Code	Degrees C	Code	Degrees F & C
F03	-100 TO 100°F	C03	-70 TO 70°C	D03	-100 TO 100°F & -70 TO 40°C
F23	-40 TO 160°F	C23	-40 TO 70°C	D23	-40 TO 160°F & -40 TO 70°C
F55*	25 TO 125°F	C55*	0 TO 50°C	D55*	25 TO 125°F & -5 TO 50°C
F43	0 TO 200°F	C43	0 TO 100°C	D43	0 TO 200°F & -10 TO 90°C
F47	0 TO 250°F	C47	-20 TO 120°C	D47	0 TO 250°F & -20 TO 120°C
F53	20 TO 240°F	C53	-10 TO 110°C	D53	20 TO 240°F & -10 TO 115°C
F63	50 TO 300°F	C59	0 TO 150°C	D63	50 TO 300°F & 10 TO 150°C
F65	50 TO 400°F	C65	0 TO 200°C	D65	50 TO 400°F & 10 TO 200°C
F69	50 TO 550°F	C69	0 TO 300°C	D69	50 TO 550°F & 10 TO 290°C
F79	100 TO 800°F	C81	50 TO 400°C	D79	100 TO 800°F & 40 TO 400°C

* min. stem 4" (3/8" dial); 6" (1/4" dial).

DMT Specifications

Case and Bezel: 304 SS (316 SS Available)
Case Style: Back, Bottom or Adjustable Angle connection.
Dial Size: 3", 4" or 5"
Process Connection: 1/2" NPT Standard, (1/2" NPT Union available)
External Reset: Slotted Hex Screw
Crystal: Glass Standard, Plastic or Tempered Glass optional
Hermetic Seal: Bi-Metal Thermometer per ASME B40.3 (3/8" stem only)
Stem: 304 SS, 0.375" O.D. 1/4" O.D. (DM4) Lengths, 2-1/2" to 36"
RTD: 100 Ω Platinum; 0.00385Ω/Ω°C, 3-wire std.
Thermocouple: Type K grounded junction std. (Optional: types T, E, J, or ungrounded.)

Table 6 - Thermowell (.385" & .260" bore)

Process Connection	Stem Length	"U" Dim	3/8" Stem		1/4" Stem	
			304 SS	316 SS	304 SS	316 SS
1/2" NPT	4"	2.5	071	171	011	111
	6"	4.5	072	172	012	112
	9"	7.5	073	173	013	113
	12"	10.5	074	174	014	114
3/4" NPT	4"	2.5	046	146	018	118
	6"	4.5	047	147	019	119
	9"	7.5	048	148	020	120
	12"	10.5	049	149	021	121
1" NPT	4"	2.5	053	153	025	125
	6"	4.5	054	154	026	126
	9"	7.5	055	155	027	127
	12"	10.5	056	156	028	128

Table 5 - Output Connection

Code	Description
HA	Alum. Screw-Cover head with terminal block (Std.)
HT	Alum. Screw-Cover head with 4-20 mA transmitter
XT	Explosion-Proof head with 4-20 mA transmitter
MP	Mini - Plug Receptacle (Thermocouple Only)
MC	Mini - Connection Head, w/screw terminals & protection head
EC	1/2" NPT Male Electrical Connection, w/Lead Wire

Table 4 - Sensor

Code	Description
TK	Thermocouple, Type K (grounded)
TJ	Thermocouple, Type J (grounded)
TE	Thermocouple, Type E (grounded)
TT	Thermocouple, Type T (grounded)
UK	Thermocouple, Type K (ungrounded)
UJ	Thermocouple, Type J (ungrounded)
UE	Thermocouple, Type E (ungrounded)
UT	Thermocouple, Type T (ungrounded)
RC	RTD, 100 ohm, 3-wire (max. 500°F)

Connection: T/C plug, Mini connection head, or Standard screw-cover connection head are available. Special customer requirements accommodated.

Ranges: Std. REOTEMP ranges and divisions to 800°F (400°C)

Over Ranges: 50% over range to 550°F, 1000°F max.

Accuracy: (+/-) 1% of full scale

Thermowell: Model DMT fits any standard 0.385" bore thermowell. (See table for Std. Models).

Options: Silicone Case Fill for Vibration. (3/8" stem only)

NOTE: Model DMT is intended for use ONLY in a thermowell.