

3", 4" and 5" Back Connected Industrial Thermometers

A rugged 90° back angle, rear threaded connection design. Commonly used in industrial, pulp and paper, food and beverage processing, HVAC, and OEM applications.



► MODEL CODES:

GT-300	3" diameter head
GT-300R	3" diameter head with calibration feature
MX-325R	3" diameter head with calibration feature and min <i>or</i> max temperature indicator
MM-325R	3" diameter head with calibration feature and min <i>and</i> max temperature indicator
GT-400	4" diameter head
GT-400R	4" diameter head with calibration feature
GT-500	5" diameter head
GT-500R	5" diameter head with calibration feature
MX-525R	5" diameter head with calibration feature and min <i>or</i> max temperature indicator
MM-525R	5" diameter head with calibration feature and min <i>and</i> max temperature indicator

► SPECIFICATIONS:

Stem Lengths:	2½", 4", 6", 9", 12", 15", 18" and 24" (available up to 120").
Stem Diameter:	.250" standard up to 42" stem. .375" standard over 42" stem.
Connection:	1/2" NPT.
External Reset:	Models with calibration feature are easy to calibrate by inserting 1/16" Allen wrench into reset opening.
Construction:	304 stainless steel external parts. Welded construction. Corrosion resistant to most chemicals.
Hermetic seal:	Per ASME B40.3 dustproof and leakproof.
Dial:	True Anti-Parallax dial, easy-to-read from any angle, minimizes reading errors. Anodized aluminum with large black numbers and graduations.
Lens:	Glass.
Bimetal Coil:	Helix coil is silicone coated on ranges below 500°F for vibration dampening and to maximize heat transfer and response time.
Accuracy:	±1% full span per ASME B40.3 Grade A. When using maximum or minimum temperature indicator, accurate to within 1½% full span.
Over Temperature Limits:	Up to 250°F 100%; 250°F to 550°F, 50%; 550°F to 1000°F, continuous use up to 800°F, intermittent use over 800°F.



STANDARD RANGES:

Fahrenheit	%Div.	Celsius	%Div.	Dual Fahrenheit Celsius
-100/100°	2°	-75/175°	5°	-100/100 -75/40
-50/120°	2°	-70/70°	1°	-40/160 -40/70
-40/160°	2°	-50/100°	1°	-0/140 -18/60
0/140°	1°	-50/25°	1°	0/180 -18/82
0/180°	2°	-50/50°	1°	0/220 -10/100
0/200°	2°	-40/70°	1°	0/250 -20/120
0/220°	2°	-20/120°	1°	20/240 -10/110
0/250°	2°	-10/110°	1°	25/125 -5/50
0/300°	5°	0/50°	1/2°	50/300 10/150
0/500°	10°	0/60°	1°	50/400 0/200
20/240°	2°	0/80°	1/2°	50/500 10/260
25/125°	1°	0/100°	1°	150/750 50/400
50/250°	2°	0/150°	1°	* 200/1000 *100/550
50/300°	2°	0/200°	2°	
50/400°	5°	0/250°	2°	
50/500°	5°	0/300°	5°	
50/550°	5°	0/400°	5°	
100/800°	10°	0/450°	5°	
150/750°	10°	100/400°	5°	
* 200/1000°	10°	* 100/550°	5°	

(Additional Ranges Available – Consult factory)

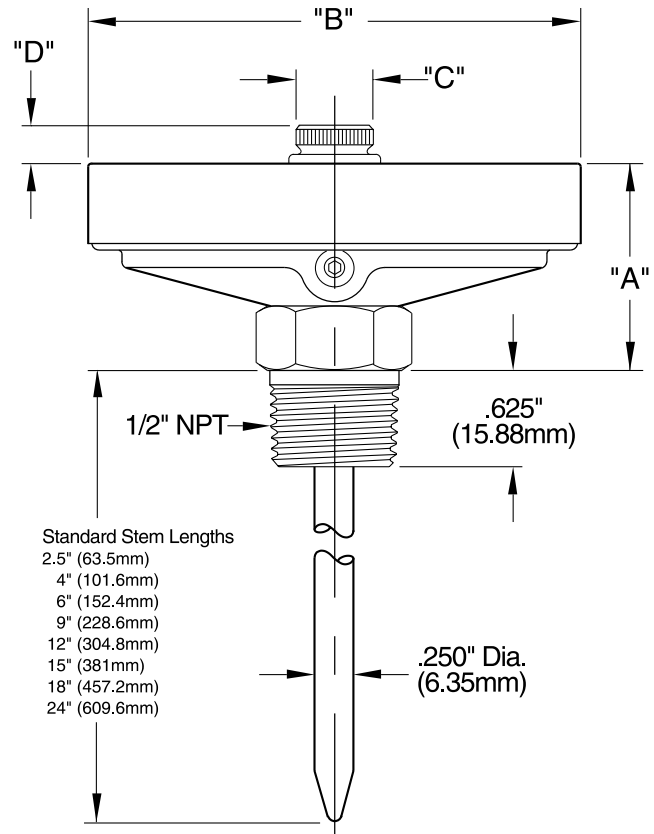
* Thermometers with temperature ranges 200/1000°F and 100/550°C are NOT RECOMMENDED FOR CONTINUOUS USE ABOVE 800°F/425°C (FOR INTERMITTENT USE ONLY).

OPTIONS:

- Union connection or other connection types and sizes.
- Silicone filled.
- Other lenses are acrylic, polycarbonate, shatterproof glass or tempered glass (except MX and MM models).
- Other stem diameters .236" (6mm), .315" (8mm), .375" (9.5mm).
- 316SS wetted parts.
- Other configuration combinations available upon request.
- Some ranges NSF® certified.

MODEL	Estimated Shipping Weights	
	DRY	SILICONE FILLED
GT-300 and GT-300R	11 oz.	14 oz.
GT-400 and GT-400R	1 lb.	1 lb. 6 oz.
GT-500 and GT-500R	1 lb. 4 oz.	1 lb. 14 oz.
MX-325R and MM-325R	11 oz.	N/A
MX-525R and MM-525R	1 lb. 4 oz.	N/A

GT-300, GT-300R, GT-400, GT-400R, GT-500, GT-500R, MX-325R, MM-325R, MX-525R, MM-525R



MODEL	"A"	"B"	"C"	"D"
GT-300, GT-300R	1.375" (34.93mm)	3.187" (80.95mm)	N/A	N/A
GT-400, GT-400R	1.375" (34.93mm)	4.115" (104.50mm)	N/A	N/A
GT-500, GT-500R, UT500	1.718" (43.63mm)	5.040" (128.02mm)	N/A	N/A
MX-325R	1.375" (34.93mm)	3.187" (80.95mm)	.500" (12.70mm)	.275" (6.99mm)
MM-325R	1.375" (34.93mm)	3.187" (80.95mm)	.625" (15.88mm)	.438" (11.12mm)
MX-525R	1.718" (43.63mm)	5.040" (128.02mm)	.500" (12.70mm)	.275" (6.99mm)
MM-525R	1.718" (43.63mm)	5.040" (128.02mm)	.625" (15.88mm)	.438" (11.12mm)

FOR HOW TO ORDER, SEE PAGE 6

IMPORTANT NOTES:

- 1) Thermowells are recommended for pressure, corrosive fluid or high velocity applications.
- 2) ASME B40.3— Bimetal thermometers manufactured by Tel-Tru and offered in this brochure are designed to meet or exceed this Standard issued by the American Society of Mechanical Engineers.