



**TEL-TRU
MANUFACTURING CO.**
World-Class Thermometers

Thermometers • Pressure Gauges • Transmitters • Accessory Products

**Price List BTP-09
Effective 2/1/09**

BIMETAL THERMOMETERS

HOW TO ORDER:

Select the model, connection, stem length, stem diameter and range (include options & accessories when required). Combine to complete your Bimetal Thermometer description. See page four of price sheet for stem length and temperature range codes.

EXAMPLE:

GT300R, 1/2" NPT, 4" stem, .250" stem diameter, 20/240°F

Code	Stem Length	Range
3410	04	59

FAST DELIVERY!

ADJUSTABLE ANGLE INDUSTRIAL THERMOMETERS

304SS External Parts, Glass Lens and 1/2" NPT

Dial Size	Code	Model	STANDARD STEM LENGTHS AND DIAMETERS											
			2 1/2", 4", 6" or 9"	12"	15"	18"	24"	30"	36"	42"	48"	54"	60"	72"
3"	4110	AA375R	\$101.68	\$110.99	\$118.43	\$125.87	\$139.51	\$153.15	\$166.79	\$180.43	\$196.55	\$212.67	\$228.79	\$244.92
4"	4710	AA475R	\$112.53	\$122.15	\$129.59	\$137.07	\$150.67	\$164.31	\$177.95	\$191.59	\$207.71	\$223.83	\$239.96	\$256.08
5"	4210	AA575R	\$123.39	\$132.07	\$139.51	\$146.95	\$160.59	\$174.23	\$187.87	\$201.51	\$217.63	\$233.76	\$249.88	\$266.00

BACK CONNECTED INDUSTRIAL THERMOMETERS

304SS External Parts, Glass Lens and 1/2" NPT

Dial Size	Code	Model	STANDARD STEM LENGTHS AND DIAMETERS											
			2 1/2", 4", 6" or 9"	12"	15"	18"	24"	30"	36"	42"	48"	54"	60"	72"
3"	3310	GT300	\$47.12	\$53.95	\$61.39	\$68.83	\$82.47	\$96.11	\$109.75	\$123.39	-	-	-	-
	3410	GT300R	\$52.71	\$61.39	\$68.83	\$76.27	\$89.91	\$103.55	\$117.19	\$130.83	\$146.95	\$163.07	\$179.19	\$195.31
	3610	MX325R	\$94.87	\$103.55	\$110.99	\$118.43	\$132.07	\$145.71	\$159.35	\$172.99	\$189.11	\$205.23	\$221.35	\$237.48
	5010	MM325R	\$107.27	\$115.95	\$123.39	\$130.83	\$144.47	\$158.11	\$171.75	\$185.39	\$201.51	\$217.63	\$233.76	\$249.88
4"	4510	GT400	\$60.76	\$67.59	\$75.03	\$82.47	\$96.11	\$109.75	\$123.39	\$137.03	-	-	-	-
	4810	GT400R	\$66.65	\$76.27	\$83.71	\$91.15	\$104.79	\$118.43	\$132.07	\$145.71	\$161.83	\$177.95	\$194.07	\$210.19
5"	3710	GT500	\$74.72	\$81.23	\$88.67	\$96.11	\$109.75	\$123.39	\$137.03	\$150.67	-	-	-	-
	3810	GT500R	\$79.99	\$88.67	\$96.11	\$103.55	\$117.19	\$130.83	\$144.47	\$158.11	\$174.23	\$190.35	\$206.47	\$222.59
	5310	MX525R	\$122.15	\$130.83	\$138.27	\$145.71	\$159.35	\$172.99	\$186.63	\$200.27	\$216.39	\$232.52	\$248.64	\$264.76
	5410	MM525R	\$134.55	\$143.23	\$150.67	\$158.11	\$171.75	\$185.39	\$199.03	\$212.67	\$228.79	\$244.92	\$261.04	\$277.16

BOTTOM CONNECTED INDUSTRIAL THERMOMETERS

304SS External Parts, Glass Lens and 1/2" NPT

Dial Size	Code	Model	STANDARD STEM LENGTHS AND DIAMETERS											
			2 1/2", 4", 6" or 9"	12"	15"	18"	24"	30"	36"	42"	48"	54"	60"	72"
3"	3910	BC350R	\$90.21	\$99.83	\$107.27	\$114.71	\$128.35	\$141.99	\$155.63	\$169.27	\$185.39	\$201.51	\$217.63	\$233.76
4"	4610	BC450R	\$102.61	\$112.23	\$119.67	\$127.11	\$140.75	\$154.39	\$168.03	\$181.67	\$197.79	\$213.91	\$230.03	\$246.16
5"	4010	BC550R	\$114.40	\$124.63	\$132.07	\$139.51	\$153.15	\$166.79	\$180.43	\$194.07	\$210.19	\$226.31	\$242.44	\$258.56

IMPORTANT NOTES:

- Accuracy $\pm 1\%$ full span per ASME B40.3 Grade A.
- The "R" in the model denotes recalibration feature.
- Non-standard stem lengths, use next highest price shown in chart.
- For stem lengths over 72" (.375" diameter ONLY) REQUEST QUOTE (available up to 120").
- 316SS Request Quote.
- 1/2" BSPT connection can be substituted at no charge.

48" - 72" STEM DIAMETER OPTIONS:

- .250" diameter stem - *List Adder*
Multiply stem length x \$1.09
Example: 48" stem x \$1.09 = \$52.32 list adder.
- .315" diameter stem may be substituted at the .375" diameter stem pricing.

Tel-Tru World-Class Quality Thermometers

BACK CONNECTED SMALL INDUSTRIAL THERMOMETERS

304SS External Parts and Glass Lens

Dial Size	Code	Model	NPT	Stem Diameter	STANDARD STEM LENGTHS AND DIAMETERS									
					2 1/2", 4", or 6"	8"	9"	12"	15"	18"	24"	30"	36"	42"
1 3/4"	1910	GT200	1/8"	.150"	\$35.22	\$37.40	-	\$41.77	\$48.32	\$54.87	-	-	-	-
	2010	GT200	1/4"	.150"	\$35.22	\$37.40	-	\$41.77	\$48.32	\$54.87	-	-	-	-
2"	4910	GT225	1/8"	.150"	\$37.13	\$39.31	-	\$43.68	\$50.23	\$56.78	-	-	-	-
	491A	GT225	1/4"	.150"	\$37.13	\$39.31	-	\$43.68	\$50.23	\$56.78	-	-	-	-
	3110	LN250	1/4"	.250"	\$38.22	-	\$38.22	\$43.68	\$49.14	\$54.60	\$65.52	\$76.44	\$87.36	\$98.28
	3210	LN250R	1/4"	.250"	\$42.86	-	\$42.86	\$49.14	\$54.60	\$60.06	\$70.98	\$81.90	\$92.82	\$103.74

NOTES:

- LN models .250" diameter stem standard up to 42" stem.
- Over 42" stem (LN250R) .375" diameter stem standard.
- Other stem lengths and configuration combinations available - Consult Factory.
- Non-standard stem lengths, use next highest price shown in chart.

BACK CONNECTED LABORATORY TESTING AND GENERAL PURPOSE THERMOMETERS

304SS External Parts, Glass Lens and .150" Diameter Stem

Dial Size	Code	Model	STANDARD STEM LENGTHS		
			5" or 8"	12"	18"
1 3/4"	1310	MT39	\$28.67	-	-
	1410	MT39R	\$29.76	-	-
	1510	GT100	\$29.76	-	-
	1610	GT100R	\$29.76	\$34.13	\$47.23
2"	2610	BT275R	\$33.03	-	-
	2310	LT225R	\$33.03	\$37.40	\$50.51
	2210	LT225	\$33.03	\$37.40	\$50.51
3"	2819	LT330R	\$37.40	\$41.77	\$54.87

NOTES:

- GT100, MT39 and LT225 are non-recal.
- LT330R polycarbonate lens is standard.
- Adjustable pan clip is standard on 5" and 8" GT100R, LT225R and LT330R.
- M39R, GT100R, BT275R, LT225R and LT330R friction nut design for easy calibration.
- MT and BT models are designed with Tel-Tru unique pressure relief ring feature designed to prevent pressure build up in thermometer head while cooking in hot oven.
- Some models and ranges are NSF® approved (National Sanitation Foundation) - Consult Factory.
- Other stem lengths and configuration combinations available - Consult Factory.
- Non-standard stem lengths, use next highest price shown in chart.

BACK CONNECTED TESTING AND SPOT CHECKING THERMOMETERS

304SS External Parts, Polycarbonate Lens and .150" Diameter Stem

Dial Size	Code	Model	NSF Approved	STANDARD STEM LENGTHS 5" or 8"
1"	1210	PT50R	* YES	\$23.48
	1110	PT50	NO	\$23.48
	1219	AD10R	* YES	Req. Quote
1 3/8"	4419	AD44R	* YES	\$25.12

NOTES:

- PT50 and PT50R models over 300°F (150°C) glass is standard.
- PT50R, AD10R and AD44R friction nut design for easy calibration.
- PT50 is non-recal.
- Non-standard stem lengths add \$4.58

* Some models and ranges are NSF® approved (National Sanitation Foundation).



IMPORTANT NOTES:

- Accuracy ±1% full span per ASME B40.3 Grade A.
- The "R" in the model denotes recalibration feature.
- CAUTION - Do not subject polycarbonate lens to temperatures above 270°F (130°C).

OPTIONS - Add To List Price

◆ LENS	Dial Sizes	1"	1³/₄"	2"	3"	4"	5"
Glass - Tempered		N/A	\$3.28	\$3.55	\$4.82	N/A	\$6.62
Glass - Shatterproof		N/A	N/A	N/A	\$8.13	\$9.33	\$10.53
Plastic - Acrylic		N/A	N/A	\$2.46	\$3.91	\$5.72	\$7.52
Plastic - Polycarbonate		*	\$3.28	\$3.55	\$6.32	\$7.52	\$8.73

* **Standard on ranges to 300°F (150°C). Glass is standard on temperature ranges above 300°F (0/150°C).**

◆ **NON-STANDARD STEM DIAMETERS**

Stem Lengths	2¹/₂", 4" 6" or 9"	12"	15"	18"	24"	30"	36"	42"
Where .150" diameter is standard--								
.140" (4mm) 304SS or .187" (5mm) 304SS	\$4.37	\$6.01	\$7.64	\$9.28	N/A	N/A	N/A	N/A
* .236" (6mm) 304SS	\$5.42	\$7.22	\$9.03	\$10.84	\$14.45	\$18.06	\$21.67	\$25.28
* .315" (8mm) 304SS	\$7.83	\$9.63	\$11.44	\$13.24	\$18.06	\$22.87	\$27.69	\$32.51
* .375" (9.52mm) 304SS	\$21.67	\$25.28	\$28.89	\$32.51	\$42.14	\$51.77	\$61.40	\$71.03

* **Stem diameters and materials are available on all 3", 4" or 5" dial industrial models.**

NOTE:

- 316SS Material Available - Request Quote
- Optional .187" (5mm) diameter stem (where .150" is standard) is only available on certain models.

◆ **CONNECTIONS**

304SS LIST PRICE

316SS LIST PRICE

- 1/2" NPT or BSPT models GT200, GT225, LN250, or LN250R \$6.01 Req. Quote
- Plain bushings or NPT connections smaller than 1/2" where not standard \$6.63 Req. Quote
- Union connection - 3", 4" or 5", industrial models \$30.70 \$43.37
- Sliding compression fittings, Male or Female N/A Req. Quote
- 3/4" NPT adapter bushing (p/n 1116604) N/A Req. Quote

◆ **SILICONE FILL**

LIST PRICE

- LT225, LN250, LN250R or GT225 \$27.85
- GT300 or GT300R \$34.31
- GT400, GT400R, GT500, GT500R, or BC350R \$40.33
- AA375R, AA475R, AA575R, BC450R, or BC550R \$45.15

IMPORTANT NOTES:

- Minimum range -50°F (-45°C) and Maximum range 500°F (250°C).
- Polycarbonate lens is standard and included in price adder.
- MAXIMUM CASE TEMPERATURE NOT TO EXCEED 300°F (150°C).

◆ **DIALS AND RANGES**

LIST PRICE

- Custom designed dials (name/logo/zones/color) Req. Quote
- LT225, LT225R, LN250, or LN250R with Anti-parallax feature Req. Quote
- Non-standard temperature ranges Req. Quote

◆ **TAGGING**

PART #

LIST PRICE

- Paper 96004302 \$1.81
- Aluminum (adhesive back) 1138201 \$3.49
- 304 stainless steel 1113702 \$7.10
- 316 stainless steel 96003602 \$9.51

◆ **CALIBRATION CERTIFICATES**

PART #

LIST PRICE

- Bimetal Thermometer calibration certificates, ±1% full span accuracy (NIST traceable) 10000003 Req. Quote

NOTE: Other certifications are available - Consult Factory.

Tel-Tru Manufacturing Company

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ACCESSORIES

◆ BIMETAL ACCESSORY PRODUCTS

▼ BIMETAL ACCESSORY PRODUCTS		PART #	LIST PRICE
• Pocket Sheath - MT39, MT39R 5" Stem	4901101	\$2.46	
• Pocket Sheath - MT39, MT39R 8" Stem	4901103	\$3.00	
• Pan Clip - .150 diameter stem	1112401	\$2.46	
(avail. w/other stem diameters)			
Note: pan clip is standard on 5" and 8" GT100R, LT225R and LT330R			
• Float - .150 diameter stem (350°F max. temperature)	1111002	\$2.46	
• Front Mounting Flange - 1" dial size - Round stainless steel - Models PT50/PT50R	1114501	\$6.28	
• Front Mounting Flange - 1" dial size - Oval stainless steel - Models PT50/PT50R	1114601	\$6.28	
• Front Mounting Flange - 1 3/4" dial size - Round chrome plated - Models GT100/GT100R	1110101	\$6.55	
• Front Mounting Flange - 2" dial size - Round chrome plated - Model LT225/LT225R	1110201	\$7.10	
• Front Mounting Flange - 2" dial size - Round stainless steel - Models AD22	1114701	\$9.56	
• Back Mounting Flange - Thermometers with 1/2" NPT connection	96001301	\$8.13	
• Thermowell Adapter Kit - Includes heat transfer compound .25 oz.	TWAS-86 .	Req. Quote	
• Heat Transfer Compound - 5 oz.	97003601	\$21.84	
• Heat Transfer Compound - 1 oz.	97003602	\$9.83	
• Detachable 1/2" NPT Aluminum Handle - if stem is 12" or longer, suggested stem diameter .375" ..	1139001	\$54.48	

◆ STANDARD STEM LENGTHS AND TEMPERATURE RANGES

Stem Lengths		Code	Fahrenheit	%Div.	Code	Celsius	%Div.	Code	DUAL RANGES		
									Fahrenheit	Celsius	Code
2 1/2"	.....	02	-100/100	 2°	51	-75/175	 5°	87	-100/100	 -75/40	01
4"	.....	04	-50/120	 2°	52	-50/100	 1°	71	-40/160	 -40/70	02
5"	.....	05	-40/160	 2°	53	-50/25	 1°	72	0/140	 -17/60	13
6"	.....	06	0/140	 2°	54	-50/50	 1°	73	0/180	 -18/82	03
8"	.....	08	0/180	 2°	55	-40/70	 1°	84	0/220	 -10/100	04
9"	.....	09	0/200	 2°	50	-20/120	 1°	86	0/250	 -20/120	14
12"	.....	12	0/220	 2°	56	-10/110	 1°	74	20/240	 -10/110	05
15"	.....	15	0/250	 2°	67	0/50	 1/2°	75	25/125	 -5/50	06
18"	.....	18	20/240	 2°	59	0/100	 1°	76	50/300	 10/150	07
24"	.....	24	25/125	 1°	60	0/150	 1°	77	50/400	 0/200	08
30"	.....	30	50/250	 2°	61	0/200	 2°	78	50/500	 10/260	09
36"	.....	36	50/300	 2°	62	0/250	 2°	79	150/750	 50/400	10
42"	.....	42	50/400	 5°	63	0/300	 5°	80	* 200/1000	... * 100/550	11
			50/500	 5°	64	0/400	 5°	81			
			50/550	 5°	68	100/400	 5°	82			
			150/750	 10°	65	* 100/550	 5°	83			
			* 200/1000	 10°	66						

* 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.

IMPORTANT NOTES:

- **Additional Ranges Available - Consult Factory.**
- **Some ranges and divisions not available on certain models**, refer to Tel-Tru's Bimetal Thermometer brochure or contact factory.
- DO NOT subject polycarbonate lens to temperatures above 270°F (130°C).
- Some models and ranges are NSF® approved (National Sanitation Foundation).

**Download product catalogs from our website
www.teltru.com**



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