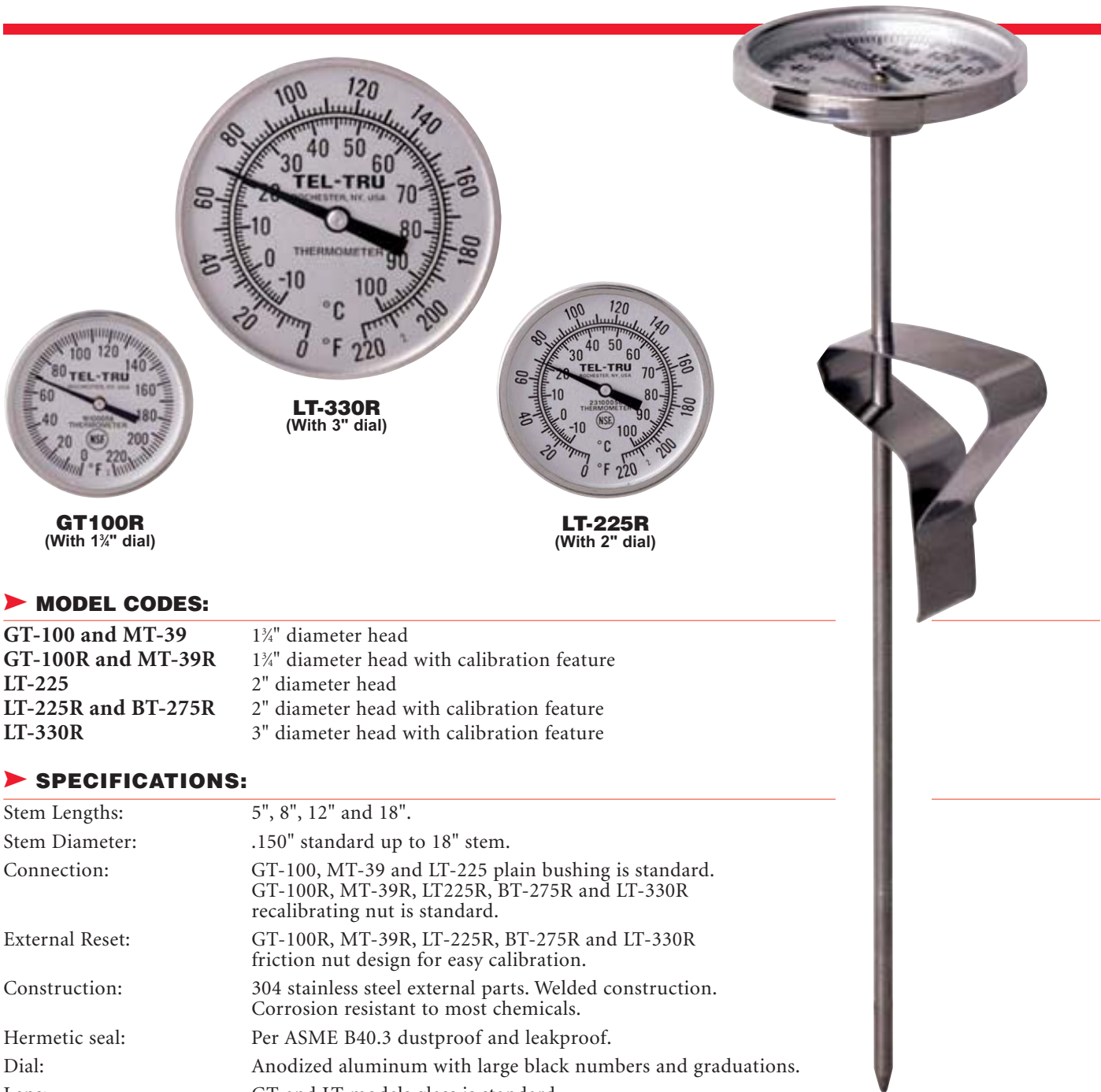


# 1 3/4", 2" and 3" Laboratory Testing and General Purpose Thermometers

These models are used for general-purpose testing applications such as laboratory, food, concrete, asphalt, soil and photography and OEM equipment.



**GT100R**  
(With 1 3/4" dial)



**LT-330R**  
(With 3" dial)



**LT-225R**  
(With 2" dial)



► **MODEL CODES:**

|                     |   |
|---------------------|---|
| GT-100 and MT-39    | 1 3/4" diameter head                          |
| GT-100R and MT-39R  | 1 3/4" diameter head with calibration feature |
| LT-225              | 2" diameter head                              |
| LT-225R and BT-275R | 2" diameter head with calibration feature     |
| LT-330R             | 3" diameter head with calibration feature     |

► **SPECIFICATIONS:**

|                          |  |
|--------------------------|--|
| Stem Lengths:            | 5", 8", 12" and 18".   |
| Stem Diameter:           | .150" standard up to 18" stem.   |
| Connection:              | GT-100, MT-39 and LT-225 plain bushing is standard.<br>GT-100R, MT-39R, LT225R, BT-275R and LT-330R recalibrating nut is standard. |
| External Reset:          | GT-100R, MT-39R, LT-225R, BT-275R and LT-330R friction nut design for easy calibration.  |
| Construction:            | 304 stainless steel external parts. Welded construction. Corrosion resistant to most chemicals.                                    |
| Hermetic seal:           | Per ASME B40.3 dustproof and leakproof.  |
| Dial:                    | Anodized aluminum with large black numbers and graduations.  |
| Lens:                    | GT and LT models glass is standard.<br>LT-330R polycarbonate lens is standard.   |
| 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.  |
| 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.                   |
| Adjustable Pan Clip:     | Standard on 5" and 8" GT-100R, LT-225R and LT-330R (for tank and tray mounting).   |





**Tel-Tru Manufacturing Company**

408 St. Paul St., Rochester, New York 14605 USA

Phone: 585.232.1440 • 800.232.5335 • Fax: 585.232.3857 • E-mail: info@teltru.com • Web: www.teltru.com

► **STANDARD RANGES 1 3/4" AND 2" MODELS:**

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

► **DUAL TEMPERATURE RANGES MODEL LT-330R:**

| Fahrenheit | °/Div. | Celsius   | °/Div. | Est. Shipping Weights DRY      |
|------------|--------|-----------|--------|--------------------------------|
| -100/100   | 2°     | -75/40    | 2°     | MT-39 and MT-39R . . . 4 oz.   |
| -40/160    | 2°     | -40/70    | 1°     | GT-100 and GT-100R . . . 3 oz. |
| 0/220      | 2°     | -10/100   | 1°     | LT-225 and LT-225R . . . 4 oz. |
| 25/125     | 1°     | 0/50      | 1/2°   | LT-330R and BT-275R . 8 oz.    |
| 50/300     | 2°     | 10/150    | 2°     |                                |
| 50/500     | 5°     | 0/250     | 2°     |                                |
| 150/750    | 10°    | 50/400    | 5°     |                                |
| * 200/1000 | 10°    | * 100/550 | 5°     |                                |

**Notes for above tables:**

(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:**

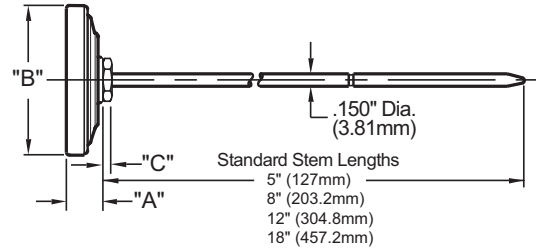
- Threaded connections on non-recal models.
- Other lenses are acrylic, polycarbonate or tempered glass.
- Other stem diameters .140" (3.6mm) and .187" (4.7mm).
- Pocket sheath for 5" or 8" stem.
- Silicone fill on LT225 and LT225R.
- Other configuration combinations available upon request.

► **FOR HOW TO ORDER, SEE PAGE 6**

► **IMPORTANT NOTES:**

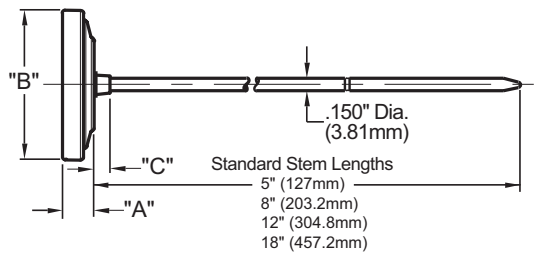
- 1) IMMERSION– For most accurate reading with Tel-Tru thermometers immerse past groove on lower portion of stem.
- 2) MT and BT models are designed with Tel-Tru unique pressure relief ring feature designed to prevent pressure build up in thermometer head while cooking in hot oven.
- 3) Some models and ranges are NSF® certified (National Sanitation Foundation).

► **GT-100R, MT-39R, BT-275R AND LT-225R**



| MODEL            | "A"             | "B"              | "C"            |
|------------------|-----------------|------------------|----------------|
| GT-100R, MT-39R  | .412" (10.47mm) | 1.750" (44.45mm) | .102" (2.59mm) |
| LT-225R, BT-275R | .438" (11.13mm) | 2.089" (53.06mm) | .120" (3.05mm) |

► **GT-100, MT-39, and LT-225**



| MODEL         | "A"             | "B"              | "C"            |
|---------------|-----------------|------------------|----------------|
| GT-100, MT-39 | .350" (8.89mm)  | 1.750" (44.45mm) | .187" (4.75mm) |
| LT-225        | .438" (11.13mm) | 2.089" (53.06mm) | .250" (6.35mm) |

► **LT-330R**

