

# Thermolyne Pyrometers



## Digital

### Great for Any Temperature Verification!

- Measure the temperature of solids, liquids or gases
- Rugged and easy to use
- Can be calibrated to NIST standards



PM20700

- “Hold function” stores measured temperature in memory.
- “RCD” records maximum and minimum values or held values.
- “Read” allows operator to read recorded values.
- “Range Select” automatically adjusts display resolution from 0.1°C to 1°C.
- “REL” displays the difference between initial measured value and succeeding measured values.
- 450 hours of dependable, continuous operation with automatic power OFF function (battery supplied with pyrometer).
- Pyrometer indicates open thermocouple or low battery conditions.

### Applications

- Product temperature measurement testing.
- Temperature measurement for research and development.
- Frozen product quality control.
- Temperature measurement in production processes.
- Used by members of the United States Olympic Luge Team to measure the temperature of the sled’s runners during Olympic luge races.

### Product Description

- Choose from five different accessory probes to measure the temperature of liquids, solids or gases.

| PRODUCT SPECIFICATIONS |                                   |            |                                |           |                           |  |
|------------------------|-----------------------------------|------------|--------------------------------|-----------|---------------------------|--|
| W                      | Overall Dimensions<br>Inches (cm) |            | Shipping<br>Weight<br>Lb. (kg) | Operating | Ambient Temp<br>Limits °C |  |
|                        | H                                 | L          |                                |           | Storage                   |  |
| 2.2 (5.6)              | 1.3 (3.3)                         | 5.9 (15.1) | 1.0 (0.4)                      | 0-50      | -10 to -60                |  |

| ORDERING INFORMATION |                   |   |                  |
|----------------------|-------------------|---|------------------|
| Model #              | Read-out<br>Scale | Range<br>°C (°F)  | US List<br>Price |
| PM20700              | °C & °F           | K: -200 (-328) to + 1372 (2502)<br>J: -200 (-328) to + 1000 (1832)<br>E: -200 (-328) to + 700 (1292)<br>T: -200 (-328) to + 400 (752) | \$349.00         |

| CALIBRATION VERIFICATION SYSTEM FOR FURNACES OR OVENS   |  |                  |
|---|--|------------------|
| Model #   | Description  | US List<br>Price |
| AY589X1   | Pyrometer/probe, Calibration Verification System for Furnaces or Ovens includes: PM20700 pyrometer, TC405X2 10" probe, C5000 calibration certification of compliance to NIST standards. If no calibration setpoints are specified the default values will be fixed at 100°C (212°F), 500°C (932°F) and 800°C (1472°F). Maximum setpoint is 1000°C. | \$618.00         |
| <ul style="list-style-type: none"> <li>• Additional setpoint calibrations (over 3) are available upon request</li> <li>• Accuracy: <math>T = \text{temperature in } ^\circ\text{C}</math><br/> <math>T &lt; -100: + (0.0017T + 1)</math><br/> <math>-100 &lt; T &lt; 200: + (0.001 T + 0.7)</math><br/> <math>T &gt; 200: + (0.002T + 1)</math></li> <li>• Precision: <math>T &lt; 200: 0.1^\circ\text{C}</math><br/> <math>T &gt; 200: 1^\circ\text{C}</math></li> </ul> |  |                  |