**Materials and Certifications**

- **Material:** Stainless Steel 316, polycarbonate, ungrounded Thermocouple Sensor, Type K Chromel Alumel, ungrounded
- **Thermocouple Probe:** Dia: 3.5mm
- **Probe Dimensions:** Length: 110 mm
- **LCD Display Size:** Visible Area: 3.8” x 7/8”
- **Response Time:** (90% = TTC*2.3) in liquid: 2.3 seconds
- **Thermal Time Constant:** (TTC = 63.2%) in liquid: 1 second
- **Thermocouple Sensor:** Type K Chromel Alumel, ungrounded
- **Elevated Operating Range:** 1 Minute @ 160F (71C) ambient air
- **Ambient Operating Range:** 32˚F to 122˚F (0˚C to 50˚C)
- **Storage Temperature:** -20˚C to 60˚C (-4˚F to 140˚F)
- **Relative Humidity:** 90% (=/5%) RH non-condensing @ 30˚C (86˚F)
- **Max Dimensions:** Ht: 7.5 inches (190mm)
- **Power:** Three AAA Batteries
- **Thickness:** 10.77 inches (19.5mm)
- **Width:** 2.1 inches (52mm)
- **Battery Life:** approx 10hrs continous usage
- **Blacklight LED:** white
- **Probe:** Stainless Steel 316, ungrounded
- **Battery:** Three AAA Batteries
- **Display:** Reverse LCD
- **Standards and Certifications:** IP67 (IP65 splash proof, IP67 dust proof)
- **Accuracy:** Below –18˚C (0˚F) ±4F
- **Ambient Operating Range:** -20˚C to 60˚C (140˚F)
- **Recovery Time:** 1 minute ±212 °F (100°C)
- **Response Time:** 1 second ±212 °F (100°C)
- **Temperature Range:** -40˚C to 230˚C (-40˚F to 450˚F)
- **Ambient Temperature:** 73°F +/- 9°F
- **Suggestions:**
  - Use the thermometer to measure temperature in real time. The current temperature will be displayed on the LCD.
  - The PT-100 ProTemp thermometer is dust proof and splash proof to IP44 standards as stated in the specification. Use a damp sponge or cloth to clean the unit and probe. You may also dip the cloth or sponge in warm soapy water to help remove surface deposits and prevent them from becoming hard or sticky on the unit.
  - The unit uses 3AAA batteries. Do not mix old and new batteries.
  - When measuring high temperature items personal protection such as gloves should be used.
  - Thoroughly clean thermometer after each use to avoid cross contamination.
  - Warning: Not Intended for Use by Persons ages 12 and Under
  - Do not place in a dishwasher.
  - Do not submerge the thermometer in liquid.
  - Do not use solvent based cleaners or methylated spirits.
  - It is recommended that the operator wash the unit and probe. You may also dip the cloth or sponge in warm soapy water to help remove surface deposits and prevent them from becoming hard or sticky on the unit.
  - Operating the thermometer above 100˚C (212˚F) ±4˚F
  - Calibration: The PT-100 ProTemp thermometer is dust proof and splash proof to IP44 standards as stated in the specification. Use a damp sponge or cloth to clean the unit and probe. You may also dip the cloth or sponge in warm soapy water to help remove surface deposits and prevent them from becoming hard or sticky on the unit.
  - Do not attempt to recalibrate the unit.
  - CHANGING THE BATTERIES:
    - On the back of the unit is a slide lock that opens the battery compartment. The unit uses 3AAA batteries. Do not mix old and new batteries.
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    - On the back of the unit is a slide lock that opens the battery compartment. The unit uses 3AAA batteries. Do not mix old and new batteries.
  - To destroy harmful bacteria like Salmonella and E coli the USDA recommends the following minimum internal temperatures:
    - (Beef, Veal, Lamb Steaks & Roasts and Fish) to be 145 °F
    - (Egg Dishes, Pork and Ground Beef, Veal & Lamb) to be 160 °F
    - (Turkey, Chicken & Duck Whole, Pieces & Ground) to be 165 °F
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    - (Turkey, Chicken & Duck Whole, Pieces & Ground) to be 165 °F
  - CLEANING AND CARE INSTRUCTIONS:
    - Cleaning: The PT-100 ProTemp thermometer is dust proof and splash proof to IP44 standards as stated in the specification. Use a damp sponge or cloth to clean the unit and probe. You may also dip the cloth or sponge in warm soapy water to help remove surface deposits and prevent them from becoming hard or sticky on the unit.
    - Caution: Do not use solvent based cleaners or methylated spirits. Do not submerge the thermometer in liquid. Do not place in a dishwasher. Not intended for use by persons aged 12 and Under.
    - Warning: Thoroughly clean thermometer after each use to avoid cross contamination. When measuring high temperature items personal protection such as gloves should be used.