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needs:

Water Level

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TLC 720 Handheld Infrared Thermometer

Non-contact digital ir thermometers for field temperature measurements.



- Non-contact surface temperature measurement with infrared
- Laser pointer according to EN 60825-1
- Core temperature measurement with fold-back probe
- Incl. punching pin for frozen food
- C°/F° switchable
- Factory calibration certificate
- Fast, easy measuring

Description

The TLC 720, Handheld Infrared Thermometers function as non-contact infrared and contact thermometers. The user can always toggle between the thermometer's two operating modes. Additionally the unit has a laser point that helps the user aim it at the target when making measurements.

Emissivity

Inaccurate readings will result from using the handheld digital infrared thermometers to measure shiny or polished metal surfaces like stainless steel or aluminum. To compensate, cover the surface to be measured with masking tape or flat black paint. When measuring a grill, for example, aim the unit at a portion of the grill that has been blackened by the high temperatures. The instrument cannot measure through transparent surfaces such as glass or plastic. It will measure the surface temperature of the transparent surface instead. Steam, dust, smoke, etc., can prevent accurate measurement by obstructing the thermometer's optics.

Applications

The TLC 720 Handheld Infrared Thermometer is a handy temperature measuring instrument for various measure and control tasks in the trade, the industry, and the laboratory. Applications for the instrument include fast, simple temperature measurements of liquids, motors, pipes, food, storage containers, received goods, supermarket areas, kitchens, and refrigerated rooms. NOTE: When measuring liquid products, be sure to stir the product vigorously. Note: DO NOT submerge thermometers in water.

Specifications

Measuring Range: -27°F to +428°F (-33°C to +220°C)
Infrared Accuracy: $\pm 3.6^\circ\text{F}$ ($\pm 2^\circ\text{C}$) or 2% of reading whichever is greater
Contact Probe Accuracy: $\pm 1.4^\circ\text{F}$ over the range -0.4°F to +247.8°F ($\pm 0.8^\circ\text{C}$ over the range -18°C to +119.9°C) and 1% for the rest of the measuring range
Resolution: 0.1°F over the range -13°F to +391.8°F (0.1°C over the range -25°C to +199.9°C) and 1.8°F (1°C) for the rest of the measuring range
Operating temperature: 32°F to +122°F (0°C to +50°C)
Storage temperature: -4°F to +149°F (-20°C to +65°C)
Response time(T99): 1s
Emissivity: 0.1 to 1.0 adjustable
Measuring mode: Max, Min, Lock
Battery life: approx. 40 hrs when used continuously (automatic shutoff after 15 sec)
Optics: 5:1
Laser Pointer: according to EN 60825-1
Certificate: 3 point factory calibration, CE
IP Rating: IP 54
Sensor Size: 6.5x1.8x0.78 in (165 x 45.4 x 19.7 mm)
Weight: 3.1 oz. (97 g)

Options and Accessories

TLC 720 - Handheld Infrared Thermometer



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