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for all your
instrumentation
needs:

- Water Level
- Water Flow
- Water Samplers
- Water Quality
- Weather
- Remote Monitoring
- Control

TLC 730 Handheld Infrared Thermometer

Non-contact digital ir thermometers for field temperature measurements.



- Non-contact surface temperature measurement with infrared
- Dual laser pointer for measuring spot
- Core temperature measurement with fold-back probe
- Incl. punching pin for frozen food
- C°/F° switchable
- Fast, easy measuring

Description

The TLC 730, 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 dual 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 730 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: -58°F to +662°F (-50°C to +350°C)

Infrared Accuracy:

-58°F to -22.2°F (-50°C to -30.1°C): $\pm 7.2^\circ\text{F}$ ($\pm 4.0^\circ\text{C}$)

-22°F to -0.58°F (-30°C to -18.1°C): $\pm 4.5^\circ\text{F}$ ($\pm 2.5^\circ\text{C}$)

-0.4°F to +31.8°F (-18°C to -0.1°C): $\pm 2.7^\circ\text{F}$ ($\pm 1.5^\circ\text{C}$)

32°F to 148.8°F (0°C to 64.9°C): $\pm 1.8^\circ\text{F}$ ($\pm 1.0^\circ\text{C}$)

149°F to +662°F (65°C to 350°C): $\pm 3.6^\circ\text{F}$ ($\pm 2.0^\circ\text{C}$)

or 2% of reading whichever is greater

Contact Probe Accuracy: $\pm 1.4^\circ\text{F}$ over the range -0.4°F to +248°F ($\pm 0.8^\circ\text{C}$ over the range -18°C to +120°C) and 1% for the rest of the measuring range

Resolution: 0.1°F (0.1°C)

Operating temperature: -13°F to +122°F (-25°C to +50°C)

Storage temperature: -40°F to +158°F (-40°C to +70°C)

Measuring cycle: Infrared: 0.7 s, Contact Probe: 1

Emissivity: 0.1 to 1.0 adjustable

Alarm settings: Yes, optical and acoustic

Battery: 2 x AAA

Battery life: approx. 15 hrs continuous use (automatic shutoff after 15 sec)

Optics: 8:1

Laser Pointer: 2 lasers equal the measured area

IP Rating: IP 55

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 730 - Handheld Infrared Thermometer



Global Water
a xylem brand

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