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IR66 Pocket Infrared Thermometer



Code: 320600

Operating Instructions

IR66 Pocket Infrared Thermometer

INTRODUCTION

Thank you for purchasing the IR 66 Thermometer. This device is a non-contact (infrared) thermometer. Simply aim the thermometer at a target and press the measurement button to display the surface temperature. The distance to target ratio is 1:1 therefore the thermometer should be positioned as close to the target as possible.

FEATURES

- Precise non-contact temperature measurement
- Unique flat surface, modern housing design
- Automatic Data Hold
- Automatic Power Off
- °C/°F mode
- MAX, MIN, LOCK modes
- Automatic range selection
- Resolution 0.1°C (0.1°F)

WIDE RANGE APPLICATION

Food preparation, safety inspectors, plastic moulding, asphalt, marine and screen printing, measure ink and dryer temperature, HVAC/R, diesel and fleet maintenance.

°C OR °F MODE

To change the IR66 from °C to °F or from °F to °C, firstly turn the instrument on by pressing the measurement button, then press the mode button four times, the °C or °F symbol will flash, press the measurement button to change the scale, then press the measurement button to confirm the mode.

MINIMUM OR MAXIMUM MODE

To utilise the IR66 Min (minimum) or Max (maximum) mode, firstly turn the instrument on by pressing the measurement button, then press the mode button once for Min or twice for Max function. The MIN or MAX icon will flash, then press the measurement button to confirm the Min or Max mode. the IR66 will display the Min or Max reading only.

LOCK MODE

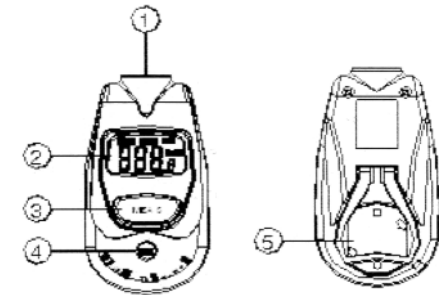
The lock mode is particularly useful for continuous monitoring of temperatures. To utilise the IR66's lock mode, firstly turn the instrument on by pressing the measurement button, then press the mode button three times for the lock mode function. The lock icon will flash, then press the measurement button to confirm the lock measurement mode. The IR66 will continuously display the temperature for up to 15 minutes or until the measurement button is pressed.

SPECIFICATION


Range	-35 to +230°C / -31 to +446°F
Resolution	0.1°C / 0.1°F
Response Time	less than 1 second
Infrared Accuracy	±2% of reading or ±2°C / ±4°F (-10°C to -35°C): ±4°C / 14°F to -31°F : ±7°F
Storage Temperature	-10 to +60°C (14 to 140°F)
Relative Humidity	10% to 90%RH operating (80%RH storage)
Field of View	1:1 optics ratio
Battery Life	40 hours continuous use (power off after 15 seconds)
Battery	CR2032
Display	LCD

FRONT PANEL DESCRIPTION

1. IR Sensor
2. LCD Display
3. Measurement Button
4. Mode Button
5. Battery Cover



BATTERY REPLACEMENT

When battery power becomes insufficient, the LCD will display “”. Replace the CR2032 battery. The battery is located under the twist cover at the rear of the IR66. Open the battery cover, then remove the battery from the instrument and replace with a new CR2032 battery and replace the cover.

Please note: It is important to turn the instrument off before replacing the battery otherwise the IR66 may malfunction.

Note: Avoid keeping the thermometer too close for long periods to objects that continuously generate high temperatures (such as a hotplate), which can cause overheating of the thermometer.

MAINTENANCE & CLEANING

The sensor lens is the most delicate part of the IR66. The lens should be kept clean at all times, care should be taken when cleaning the lens using only a soft cloth or cotton swab with water or medical alcohol. Don't use abrasives or solvents on this instrument. Allow the lens to fully dry before using the IR66. Don't submerge any part of the IR66. The IR66 should be stored at room temperature. Use only specified replacement parts.