## HPI Thermometer Operating Instructions

The HPI Temp Gun is a non-contact infrared thermometer. Simply aim the thermometer at the target and press the 'SCAN' button to display the surface temperature. The thermometer should be positioned as close to the target as possible.



Probe
LCD
'SCAN' button
'Mode' button
Battery Cover (under the rear cover)

## °C OR °F MODE

The HPI Temp Gun can display unit of measurement in either Celsius or Fahrenheit (°C or °F). To change the unit of measurement, first turn on the Temp Gun by pressing the 'SCAN' button and then press the 'Mode' button four times until the '°C' or '°F' symbol start flashing. Press the 'SCAN' button to confirm the change.
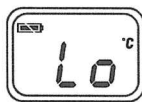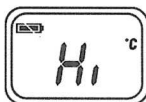
## MINIMUM OR MAXIMUM MODE

The HPI Temp Gun has minimum and maximum modes that allow you to measure the minimum or maximum temperature during one session of temperature reading. To set the mode, first turn on the Temp Gun by pressing the 'SCAN' button. Once the unit is on, press the 'Mode' button once for minimum or twice for maximum function. When the 'MIN' or 'MAX' icon start flashing, press the 'SCAN' button to confirm the mode. Hold the 'SCAN' button during the reading and the temp gun will display the minimum or maximum temperature until you release the 'SCAN' button.

## LOCK MODE

The HPI Temp Gun has a lock mode that allows you to continuously monitor the temperature. To set the mode, first turn on the Temp Gun by pressing the 'SCAN' button. Once the unit is on, press the 'Mode' button three times for the lock mode. When the 'LOCK' icon starts flashing, press the 'SCAN' button to confirm the mode. The Temp Gun will continue to display the temperature for up to 60 minutes or until the 'SCAN' button is pressed.

## LCD Error Messages

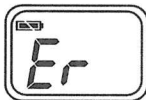The HPI Temp Gun incorporates visual diagnostic messages.



'Hi' or 'Lo' is displayed when the temperature being measured is outside of the range of measurement. 'Hi' refers to temperature being measured is higher than +220 °C (+428 °F) and 'Lo' refers to temperature being measured is lower than -55 °C (-67 °F).
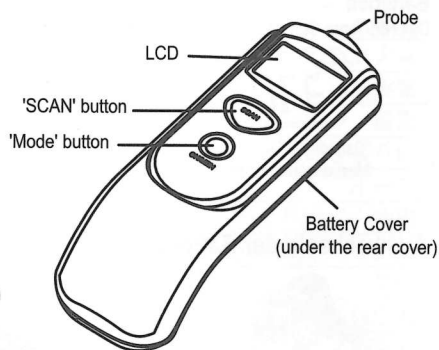
'Er2' is displayed when the Temp Gun is exposed to rapid changes in ambient temperature.
'Er3' is displayed when the ambient temperature EXCEEDS -10°C or +50°C (14°F or +122 °F).
In both cases, you should allow plenty of time (minimum of 30 minutes) for the Temp Gun to stabilize to normal operating temperature between -10°C to 50°C (14°F or +122°F).

'Er' is displayed when other errors occurs. When this happens, the Temp Gun needs to be reset. To reset, wait until the Temp Gun is powered off and then remove the battery and wait for a minimum of 10 seconds. Then reinstall the battery and turn on the instrument.
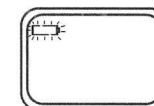
## BATTERIES

The HPI Temp Gun includes a battery indicator.



'Battery OK' - Measurements are possible.

'Battery Low' - Measurements are possible, but battery needs to be replaced.

'Battery Exhausted' - Measurements are NOT possible. Replace battery.

## BATTERY REPLACEMENT  (Remember to power off the unit before replacing the battery.)



(1) Open the battery cover. (2) Hold the device and use a screwdriver to flip the battery out. (3) Insert the new battery under the metal hook on the left side and press the right side of the battery until you hear a click. (4) Replace the battery cover.

⚠ **A malfunction may occur if the power is on when the battery is replaced. If a malfunction occurs, restart the device. Keep the battery away from children.**

## STORAGE AND CLEANING

The probe is the most delicate part of the Temp Gun and should be kept clean at all times. Care should be taken when cleaning the lens by using a soft cloth or cotton swab with water or medical alcohol. Allow the lens to fully dry before using the Temp Gun. Do not submerge any part of the Temp Gun. Store at room temperature.

## SPECIFICATION

| Measurement Range | -55°C to +220°C (-67°F to +428°F) |
|---|---|
| Operating Range | -10°C to +50°C (14°F to +122°F) |
| Resolution (-9.9~199.9°C) | 0.1°C or 0.1°F |
| Response Time (90%) | 1 second |
| Accuracy | +/-0.6°C |
| Full Range Accuracy (-55~220°C) | +/-2%, 2°C, 4°F |
| Distance:Spot | 1:1 Optics Ratio |
| Mode | Min, Max, Lock, °C, °F |
| Battery Life | Typ. 40hrs Min. 30hrs |
| Power Supply | CR2032 x 1pc |
| Display | LCD |
| Dimensions | 113.0 x 39.4 x 36.5mm |
| Weight | 40 grams including battery |

## EMC/RFI

Reading may be affected if the unit is operated within electromagnetic field strength of approximately 3 volts per meter, but the performance of the Temp Gun will not be permanently affected.

⚠ CE    I-74151-1