(Default Screen)
Simply aim the thermometer at the measure target with Lens (⑦) and press Meas. key (⑥) to display the surface temperature. The Distance:Spot is 12:1. Please make sure the target area is within the field of view.

FUNCTION

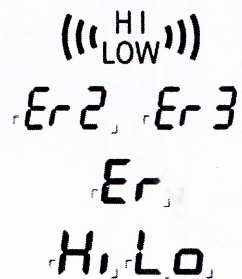|	Press Mode key (④) for scrolling more display function as follows.
E	Here will show the emissivity data. (The default emissivity is 0.95.)
^E ᵂ	Press Mode key (④) , then press Up key (②) or Down key (③) to **set the emissivity**, then press Mode key (④) to confirm it. The emissivity can be changed from 0.10 (10E) to 1 (100E).
MAX MIN DIF AVG	Press Mode key (④) for the **Maximum (MAX), Minimum (MIN), Different between MAX and MIN (DIF) and Average (AVG) modes. During the measurement, the special modes reading will be displayed beside the mode icon.**
HAL LAL	Press Up key (②) or Down key (③) key to change the **High Alarm (HAL)** or **Lo Alarm (LAL)**, then press Meas. key (⑥) to confirm it. For example: When the reading 26.9°C < LAL 27°C, the Low icon will flash and you will hear a beep sound.
PRB	Connect the thermocouple with Thermocouple socket (⑤) and put the probe in/on the target, the thermometer will display the temperature automatically without pressing any button. To see the minimum or maximum data during the probe measurement, please hold down the Up key (②) or Down key (③).

** The thermometer will automatically shut off if left idle for more than 60sec, unless in PRB mode. (In PRB mode, it will shut off if left idle for more than 12 minutes.)

In E,MAX, MIN, DIF, AVG mode:	Press Up key (②) for **LOCK mode** ON/OFF. The lock mode is particularly useful for continuous monitoring of temperatures for up to 60 minutes.
	Press Down key (③) for **°C or °F**
In all modes: First hold on the Meas. key (⑥)	and press Up key (②) for **backlight function** ON/OFF.
	and press Down key (③) for **laser function** ON/OFF.

⚠CAUTION
1. WHEN DEVICE IS IN USE, DO NOT LOOK DIRECTLY INTO THE LASER BEAM–PERMANENT EYE DAMAGE MAY RESULT.
2. USE EXTREME CAUTION WHEN OPERATING THE LASER.
3. NEVER POINT THE DEVICE TOWARDS ANYONE'S EYES.

LCD ERROR MESSAGES

'Hi' or 'Lo' is displayed when the temperature being measured is outside of the settings of HAL and LAL.

'Er2' is displayed when the thermometer is exposed to rapid changes in the ambient temperature. 'Er3' is displayed when the ambient temperature exceeds 0°C (32°F) or +50°C (122°F). The thermometer should be allowed plenty of time (minimum 30 minutes) to stabilize to the working/room temperature.

Error 5~9, for all other error messages it is necessary to reset the thermometer. To reset it, turn the instrument off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on.

'Hi' or 'Lo' is displayed when the temperature being measured is outside of the measurement range.

BATTERIES
The thermometer incorporates visual low battery indication as follows:

'Battery OK': measurements are possible

'Battery Low': battery needs to be replaced, measurements are still possible

'Battery Exhausted': measurements are not possible

⚠ When the 'Low Battery' icon indicates the battery is low, the battery should be replaced immediately with AAA, 1.5V batteries. Please note: It is important to turn the instrument off before replacing the battery otherwise the thermometer may malfunction.

SPECIFICATION

Item	Non-contact Infrared Scan function	Thermocouple Probe Scan function (K type; probe not included.)
Measurement Range	-60 to +550 °C (-76 to +1022 °F)	-64 to +1400°C (-83.2 to +2552°F)
Operating Range	0 to +50°C (32 to +122°F)	

Emissivity Range	0.95 default – adjustable 0.1 to 1 step .01
Resolution	0.1°C/0.1°F at -83.2 to 999.9(°C/°F), otherwise 1°C/1°F
Response Time	1sec
Distance:Spot	12:1