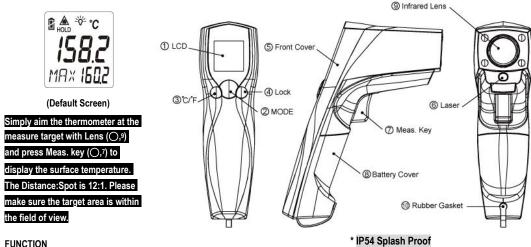
ST430 Thermometer Operating Instructions

The thermometer is a non-contact infrared thermometer. There are many mathematical modes for the Infrared function. Please remember to keep away from children and don't use it for safety related applications.



Press Mode key $(\bigcirc, 2)$ for scrolling more display function as follows.

E Here will show the emissivity data. (The default emissivity is 0.95.) ı≁E™ Press Mode key (\bigcirc ,2), then press Lock key (\bigcirc ,4) or °C/ °F key (\bigcirc ,3) to set the emissivity, then press Mode key (\bigcirc ,2) to confirm it. The emissivity can be changed from 0.10 (10E) to 1 (100E). MAX MTN Press Mode key (0,2) for the Maximum (MAX), Minimum (MIN), Different between MAX and MIN (DIF) and Average dĪF (AVG) modes. During the measurement, the special modes reading will be displayed beside the mode icon. ĀĪ'G HRI Press Lock key (,4) or °C/ °F key (,3) to change the High Alarm (HAL) or Lo Alarm (LAL), then press Meas. key (,7) to RL confirm it. When the reading is outside the High Alarm (HAL) or Lo Alarm (LAL) limit. The High or Low icon will flash and you will hear a beep sound.

ADD VALUE

In E,MAX, MIN, DIF, AVG	Press Lock key (O,4) for LOCK mode ON/OFF. The lock mode is particularly useful for continuous monitoring of temperatures for up to 60 minutes.	
	Press °C/ °F key (O,3) for °C or °F transferred.	
In all modes: First hold on	and press Lock key (\bigcirc ,4) for backlight function ON/OFF.	
	and press °C/ °F key (〇,3) for laser function ON/OFF.	
Memory	Recall the last reading memory by pressing Mode key (\bigcirc ,2) while power off.	

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.

4. KEEP OUT OF REACH OF ALL CHILDREN.

STORAGE & CLEANING

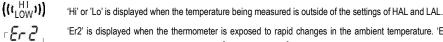
It should be stored at room temperature. The sensor lens is the most delicate part of the thermometer. The lens should be kept clean at all times, care should be taken when cleaning the lens using only a soft cloth or cotton swab with water or medical alcohol, allowing the lens to fully dry before using the thermometer. Do not submerge any part of the thermometer.

LCD ERROR MESSAGES

Er 3

r£r.

The thermometer incorporates visual diagnostic messages as follows:



'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. If the error message remains please contact the Service Department for further assistance.

BATTERIES

The thermometer incorporates visual low battery indication as follows:





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'Battery OK': measurements are possible

replaced, measurements are still possible

'Battery Exhausted': measurements are not possible

BATTERY REPLACEMENT

1. Pull out the rubber gasket (\bigcirc ,10)

2. Loosen the screw and pull out the battery cover

3. Replace and reinstall with new batteries

4. Place the battery cover back and fasten the screw

5. Plug the rubber gasket (\bigcirc ,10) to avoid failure of water proof

A 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.
- A Dispose of used battery promptly and keep away from children.

SPECIFICATION

of Editoration		
Measurement Range	-60 to 550 °C (-76 to +1022 °F)	
Operating Range	0~50°C (32~122°F)	
Emissivity	0.95 default – adjustable 0.1 to 1 step .01	
Resolution (-9.9~199.9°C)	0.1°C/0.1°F otherwise 1°C/1°F	
Response Time (90%)	1sec	
Distance:Spot	12:1	
Battery Life	Typ.18, min 14 hours continuous use	
Dimensions	143.90*116.73*42.78 mm(5.67×4.60×1.68 inch)	
Weight	180 grams(6.35 oz) including batteries (AAA*2pcs)	
Note: Under the electromagnetic field of 3V/m from 200 to 700 MHz, the maximum error is 5 °C (9 °F).		
The thermometer will automatically shut off if left idle for more than 15 sec.		

A EMC/RFI: Readings may be affected if the unit is operated within radio frequency electromagnetic field strength of

approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

