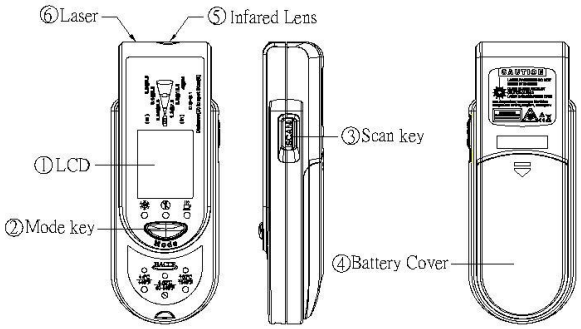
Taylor® 9715L Thermometer Operating Instructions

Thank you for purchasing a Taylor® infrared thermometer. Please read this instruction manual carefully before use. Keep these instructions handy for future reference.

The thermometer is a non-contact infrared thermometer. Simply aim the thermometer at the target and press the 'Scan key' to display the surface temperature.

Temperature Reading Operation

Press the 'Scan key' to take a temperature reading. The unit will display the temperature of the target for 10 seconds then turn off automatically.



⚠ 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.**
4. **KEEP OUT OF REACH OF ALL CHILDREN.**

Continuous Temperature Reading Operation

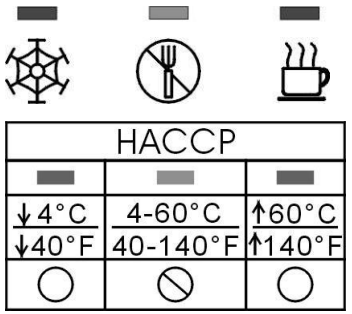
1. Press and hold down the "Scan" key.
2. The unit will display continually updated real time temperature readings while the "Scan" key is held down. When the key is released, the last temperature will display for 10 seconds, and then the unit will turn off automatically.

HACCP CHECK

The "HACCP CHECK" feature is incorporated in our thermometer temperature to graphically indicate critical temperature zone. The icons and LED indicators located above the display indicate if a food product is in a safe or unsafe HACCP "Danger Zone" temperature. The green and red LED light will always be lit before the power is turned off.

A Green LED light with a " " icon indicates a safe cool or frozen condition below 40°F (4°C), while a " " icon indicates a safe holding temperature above 140°F (60°C).

When the temperature is between 40°F (4°C) and 140°F (60°C), the red LED with a" " icon will appear and indicate that the temperature is fallen within the HACCP "Danger Zone" from 40° to 140°F (4~60°C).



°C OR °F MODE

To change the thermometer from '°C' to '°F' or from '°F' to '°C', first turn the instrument on by pressing the 'Scan key', then press the 'Mode key' one time. The '°C' or '°F' symbol will flash. Press the 'Scan key' to change to scale.

EMISSIVITY RANGE

The infrared thermometer is supplied with a default emissivity of 0.95. The emissivity of the thermometer can be changed from 0.05 (5E) to 1 (100E). Changes should only be carried out by experienced personnel. To change the emissivity, firstly turn the instrument on by pressing the 'Scan' button, then press the 'Mode' button two times for emissivity function. The 95E will flash on the LCD screen, then press the 'Meas.' button to adjust the emissivity value, press the 'Mode' button again to exit the set up screen. For information relating to the emissivity of specific materials, please contact the nearest retailer. Note: non-contact infrared thermometers are not recommended for use in measuring the temperature of shiny or polished metals.

BAR DISPLAY: The fixed setting range for bar display is 68-428°F (20~220°C) and Center=248°F (120°C).

The bar display will be updated comply with the measurement reading changed.

LCD ERROR MESSAGES

The thermometer incorporates visual diagnostic messages as follows:

'Hi' or 'Lo' is displayed when the temperature being measured is outside of the range of the instrument, 'Hi' when higher than +662°F (+350°C) and 'Lo' when lower than -67°F (–55°C).

'Er2' is displayed when the thermometer is exposed to rapid changes in the ambient temperature. 'Er3' is displayed when the ambient temperature of the thermometer EXCEEDS 32°F (0°C) OR +122°F (+50°C). In both cases you should allow plenty of time (minimum 30 minutes) for the thermometer to stabilize to the working/room temperature.

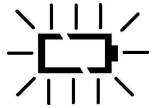
For all other error messages it is necessary to reset the thermometer. To reset the thermometer, turn the instrument off, remove the battery and wait for a minimum of one minute, reinsert the battery and turn on. If the error message remains, please contact Customer Service for further assistance.

BATTERIES

The thermometer incorporates visual low battery indication as follows:

'Battery OK': measurements are possible

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



'Battery Exhausted': measurements are not possible

⚠ When the 'Low Battery' icon indicates the battery is low, the battery should be replaced immediately with 2 - AAA, 1.5V batteries. Please note: It is important to turn the instrument off before replacing the batteries, otherwise the thermometer may malfunction.

⚠ When replacing the batteries, do not mix old and new batteries. Do not mix alkaline standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries. Dispose of batteries properly. Do not dispose of unit or batteries in fire, as batteries inside this unit may explode or leak. Keep away from children.

STORAGE & CLEANING

The sensor lens is the most delicate part of the thermometer. The lens should be kept clean at all times. Take care when cleaning the lens, using only a soft cloth or cotton swab with water or medical alcohol, and allow the lens to fully dry before using it. Do not submerge any part of the thermometer. The thermometer should be stored at room temperature between -4 to +149°F (-20 to +65°C).

SPECIFICATIONS

Measurement Range	-67~662°F (-55 to +350°C)
Operating Range	32~122°F (0~50°C)
Accuracy (Tobj=15-35°C,Tamb=25°C)	+/-1.8°F (1.0°C)
Accuracy (Tobj=-33~350°C, Tamb=23±3°C)	±2% of reading or 4°F (2°C) whichever is greater
Resolution -67.0~390.0°F) (-55.0~199.9°C)	0.1°F / 0.1°C (switchable)
Response Time (90%)	1 second
Distance:Spot	6:1 optics ratio
Emissivity Range	0.95 default – adjustable 0.05 to 1.00 emissivity
Battery Life	Typically 40hr, minimum 30hr (auto power off after 15 seconds)
Battery	2 - AAA
Dimensions	24.5 x 43.5 x 113.5mm(1.0×1.7×4.5 inch)
Weight	3.2 oz (90 grams) including batteries

EMC/RFI

Readings may be affected if the unit is operated within a radio frequency electromagnetic field strength of approximately 3 volts per meter, but the performance of the instrument will not be permanently affected.

One Year Limited Warranty

Taylor warrants this product to be free from defects in materials or workmanship for one (1) year from date of original purchase. It does not cover damages or wear resulting from accident, misuse, abuse, commercial use, or unauthorized adjustment and/or repair.
If service is required, do not return to distributor. For service, call between 7:30 AM and 4:30 PM, Mountain Standard Time, Monday through Friday. To assist us in service you, please have the model number and date of purchase available. Should this product require service (or replacement at our option), please pack the item carefully and return it prepaid, along with receipt showing date of purchase and a note explaining reason for return to:

Taylor Precision Products
2220 Entrada del Sol, Suite A
Las Cruces, New Mexico 88001
Customer Service Phone: 1-800-225-4834
Customer Service Fax: 1-575-526-4347
www.taylorusa.com

There are no expressed warranties except as listed above. This warranty gives you specific legal rights, and you may have other rights which vary from state to state.
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Made to our exact specifications in China.