

Please read and save these instructions. Read through this owner's manual carefully before using product. Protect yourself and others by observing all safety information, warnings, and cautions. Failure to comply with instructions could result in personal injury and/or damage to product or property. Please retain instructions for future reference.



THERMOCOUPLE THERMOMETER

boo

Description

This Westward® Thermocouple Thermometer is handheld and compact used for temperature sensor measurements using K type thermocouple inputs. It adapts with various probes (not included) to measure temperature ratings for various applications applied. Instrument accuracy is +/- 1% of the reading.



Unpacking

After unpacking unit, inspect carefully for any damage that may have occurred during transit. Check for loose, missing, or damaged parts. Shipping damage claim must be filed with carrier.

Specifications and Dimensions

Probe Measurement Range	Operating Temp Range	Resolution	Accuracy	Battery Life	Battery Life
-83.2~1999°F -64~1400°C	32~122°F 0~50°C	0.1°F 0.1°C	(Tamb = 25°C): +/- 1% of the reading or 1°C (1.8°F); whichever is	1 (CR2032)	100hrs continuous use

Features & Benefits

- Digital ▪ 15 Second Auto Power Off ▪ °C/°F Switch ▪ Large Display ▪ Handheld ▪ Precise ▪ K-Thermocouple Type Socket ▪ Ease of Use ▪ IP65 Splash Proof ▪ Easy Storage ▪ Includes Magnet

▲ WARNING The actual range depends on the probe specification. PROBES ARE NOT INCLUDED WITH THE UNIT.

▲ DANGER Do not leave the unit on or near objects of high temperature.

▲ CAUTION ELECTRO-STATIC DISCHARGE. The measurement range is for the thermometer only. Choose appropriate probe for the application to avoid permanent damage. Target to be measured should not exceed the temperature range of the probe.

▲ WARNING KEEP OUT OF REACH OF CHILDREN.

▲ CAUTION To avoid electric shock and thermometer damage, DO NOT MEASURE LIVE CIRCUITS, if voltage exceeds 24V AC RMS or 60V DC with this instrument.

▲ WARNING "Thermal Shock" may be caused by large or abrupt ambient temperature changes. Allow 30 minutes for the unit to stabilize before use when exposed to "Thermal Shock".

Operation

Before using this tool read directions thoroughly.

- To switch thermometer on, press "ON/HOLD" and hold for approximately one second.
- LCD displays: Temperature Reading, Battery Status, Hold
- Display for current measured values
- Minus sign (negative measured values)

Measuring Temperature

- 1 Select the appropriate K-Type socket probe then plug it into the unit input
- 2 Select the required unit of measurement °C/°F
- 3 °C/°F can be changed only when "HOLD" is shown
- 4 Position the tip of the thermocouple where you wish to measure the temperature and press "ON/HOLD" key. Wait until the temperature has stabilized and then read the value from the display. The current temperature is displayed for 4 minutes.

Note: The actual range depends on the probe spec.

Note: The last measured value will be stored and the thermometer will deactivate itself Automatically after 15 seconds to save the battery power.

Warranty

LIMITED ONE-YEAR WARRANTY

Should this product fail to perform satisfactorily due to a defect or poor workmanship within ONE YEAR from the date of purchase, return it to the place of purchase and it will be replaced free of charge. Incidental or consequential damages are excluded from this warranty.



WESTWARD® THERMOCOUPLE THERMOMETER

Battery Replacement

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 flashes this indicates the battery is low, the battery should be replaced immediately with one (1) CR2032 battery. Please note: It is important to turn the instrument off before replacing the battery otherwise the thermometer may malfunction.
- ⚠ *Dispose of used battery properly and keep away from children.*

Important Notes

EMC/RFI:

Readings may be affected if operated within radio frequency electromagnetic field with strength of approximately 3 volts per meter.

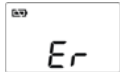
Trouble Shooting



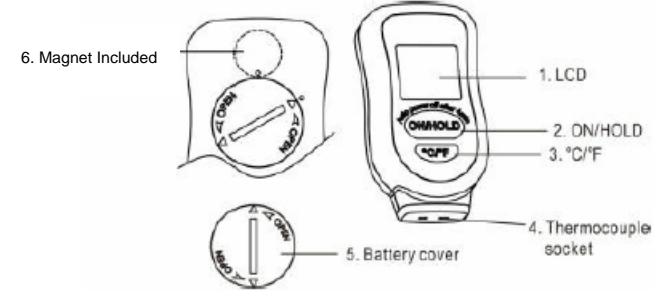
'Hi' or 'Lo' is displayed when the temperature being measured is outside of the range.



'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' is displayed when it is necessary to reset the thermometer. To reset the thermometer, 1) turn the power off; 2) remove the battery; 3) wait for a minimum of one minute; 4) reinsert the battery and power the unit back on.



Probes Are Not Included

