P/N:110401109301X

UT306H/UT308H
Infrared Thermometer User Manual

PREFACE

Thank you for purchasing the new infrared thermometer. In order to use this product safely and correctly, please read this manual thoroughly, especially the *Safety Instructions* part. After reading this manual, it is recommended to keep the manual at an easily accessible place, preferably close to the device, for future reference.

LIMITED WARRANTY AND LIABILITY

Uni-Trend guarantees that the product is free from any defect in material and workmanship within one year from the purchase date. This warranty does not apply to damages caused by accident, negligence, misuse, modification, contamination or improper handling. The dealer shall not be entitled to give any other warranty on behalf of Uni-T rend. If you need warranty service within the warranty period, please contact your seller directly.

Uni-Trend will not be responsible for any special, indirect, incidental or subsequent damage or loss caused by using this device.

OVERVIEW

UT306H/UT308H Non-contact Infrared Thermometer (hereinafter referred to as "thermometer"). This product measures temperature by collecting the infrared thermal radiation energy emitted by target surface.

UT306H/UT308H has advantages of simple and sanitary operation, quick and accurate measurement. It can measure temperature precisely within 1s by aiming the detector at target object.

It is not allowed to be used in the presence of a mixture of flammable anesthetic gas, air, oxygen or nitrous oxide. UT306H/UT308H is a continuous operating device.

This product is composed of infrared sensor, circuit components, operating buttons and plastic shell.

SAFETY INSTRUCTION

⚠ **Warning:**

To use the product properly, please read the following instructions carefully before use:

- To ensure safety and accuracy of measurement, only qualified maintenance personnel can repair it with original components.
- Replace the battery immediately once the battery indicator appears.
- Prior to using the thermometer, please check the box. If any damage to the thermometer were found, please do not use it. Inspect for damage or any shortage of parts.
- Do not place the thermometer near the objects with high temperature for long period.
- It is recommended to operate the thermometer within the environment of 15°C~35°C and RH<85%.
- Please use the thermometer indoor and do not expose it to strong sunlight or intense electromagnetic interference.
- Please ensure the temperature around the measuring object is stable, do not test during strong airflow.
- Avoid testing in unstable temperature environment - wait 30min to allow the thermometer to stable.
- Wait 10~30min to measure if the measuring object came from very high or very low temperature.
- Please wait 10min to measure new objects after measuring very high or very low temperature.
- It is recommended to measure thrice for every object and the highest occurring data should be used.
- Please accurately aim the sensor window at the measuring target. Otherwise error or HI/LO indicator will appear.
- Please keep the battery out of the reach of children, children may accidentally ingest. Contact with doctor immediately if that happens.
- If the thermometer will not in use for long period, please take out the battery to avoid leakage. The battery is not allowed to be placed in fire.

SYMBOLS

⚠	Warning or Caution	⎓	Direct current	🕮	Read the manual before use
	Dispose the device and accessories properly according to local waste management policy.				

SPECIFICATION

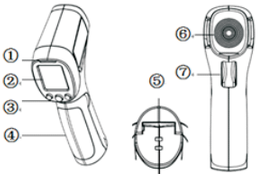
Temperature range	32.0°C~45.0°C (89.6°F-113.0°F)
Accuracy	±0.2°C/0.4°F 35.0-42.0°C (95.0-107.6°F)
	±0.3°C/0.5°F 32.0-34.9°C (89.6-94.8°F)
	±0.3°C/0.5°F 42.1-45.0°C (107.8-113.0°F)
Temperature range(Object)	0°C-100°C (32.0°F-212°F)
Resolution	0.1°C
Measurement Method	Infrared measurement. Non-Contact measurement
Optimum measuring distance	1-5cm
LED alarm	Orange LED alarm for >37.2°C(98.9°F)
Audible alarm	Audible alarm for >37.2°C(98.9°F)
Power-on Self-test	Support
Unit conversion(°C/°F)	Support
Data storage	Turn on shows last test record; 32 set of records (UT306H:20 set of records)
Auto shutdown	Auto power-off (After 15s)
Backlight	Support
Power Supply	DC 3V (AA 1.5V Battery 2ea)
Drop test	1m
Operating environment	15°C~35°C, <85%RH
Transport and storage environment	-20°C~60°C (-4°F~140°F), <93%RH
Operating atmospheric pressure	700hPa-1060hPa

FEATURES

- Data storage
- White backlight
- Low voltage indication
- Option of Celsius/Fahrenheit
- Display screen
- Dynamic monitoring of battery capacity
- Sound alarm and LED alarm

EXTERNAL STRUCTURE

1	Indicator
2	LCD display
3	Buttons
4	Battery cover
5	String hole
6	Lens
7	Trigger



LCD FUNCTION DESCRIPTION

	Object measurement mode
	Body measurement mode
	Buzzer
	Battery status
℃ ℉	Unit of temperature
	Measured temperature value
M 88	Storage serial number
	Auxiliary display of saved data

WORKING PRINCIPLE

Infrared thermometer can measure surface temperature of opaque objects. Its optical device can sense the infrared energy concentrated on the detector, and the electronic components convert information into temperature reading which is displayed on the display screen.

OPERATING METHODS

Power On

With thermometer off, short press the trigger to power on, and the last measurement data before shut down will be displayed after self-inspection.

Power Off

Thermometer will automatically shut down and save the measured value and current serial number if no action was detected out within 15s.

Temperature Measurement

1. Aim the thermometer at the measured target, press and hold the trigger, the measured temperature area will be cleared. Then release the trigger, the measured data will be updated and the storage serial number plus 1. A maximum of 32 data groups can be stored, and if it is exceeded, the previously stored data will be overwritten starting with group 01.
2. When the measured temperature exceeds 37.2°C, the yellow indicator will be lightened.
3. LO displays when the target temperature is lower than the range; HI displays when the target temperature is exceeding the range; Yellow indicator will be lightened simultaneously when LO/HI is displaying.

Review Saved Temperature

In the main interface, short press ▲ or ▼ to review the stored temperature data in auxiliary display area.

Mode Setting

In the main interface, short press the SET button to enter mode setting, and short press ▲ or ▼ to switch between body/object temperature measurement mode.

Unit Setting

In the main interface, short press the SET button twice to enter unit setting, short press ▲ or ▼ to switch the unit between °C or °F.

Buzzer Setting

In the main interface, short press the SET button thrice to enter buzzer setting interface, and short press ▲ or ▼ to switch buzzer on or off.

History Data Viewing

UT308H will record measurement data automatically after each temperature measurement Maximum 32 groups (UT306H:20 groups) of data can be recorded, please follow the steps below to view these history data.

In the main interface, short press ▲ or ▼to view all the history data from top to bottom starting from the last measurement.

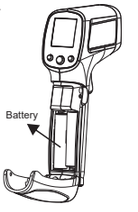
MAINTENANCE

⚠ The thermometer is a repeatedly-used accurate device. Please pay attention to clean and maintenance. Especially keep the lens clean, or the accuracy may be affected.

Clean:

1.Clean chassis: Clean the chassis with cotton sponge or soft cloth with medicinal alcohol or clean water.

2.Clean lens: Blow away the slipped off grains with clean compressed air. Wipe the surface carefully with wet cotton swab. Cotton swab should be moistened with medicinal alcohol or clean water.



BATTERY REPLACEMENT

⚠ If the thermometer will not in use for long period, please take out the batteries to avoid leakage. Please dispose the waste batteries properly.

Open the battery cover to take out the batteries. Load 2 new AA batteries correctly and close the battery cover.

FAULT DIAGNOSIS

Symptom	Problem	Action
HI (on the screen)	Target temperature exceeding range	Select the target within range
LO (on the screen)	Target temperature lower than range	Select the target within range
Battery icon flashes	Battery low	Replace battery
Possible blank screen	Battery drained	Check and/or replace battery

ACCESSORIES

Battery ---------- 2
Manual ---------- 1
Device ---------- 1

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