

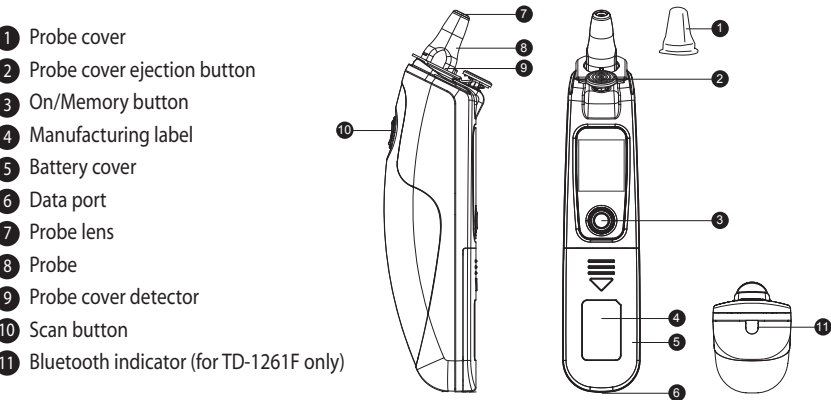
Part no.	311-1261000-060
Product name	機器說明書/CLEVER/英
Spec	L353*W250mm/3折/銅版紙100P/雙黑
Designer	Tsaiyi
Color	 K100  K75

311-1261000-060
Version 3.0 2015/10

TD-1261

Ear Thermometer Operation Instruction

APPEARANCE AND KEY FUNCTIONS OF THE THERMOMETER



INTRODUCTION

Thank you for choosing TD-1261 ear thermometer. This innovative medical device relies on advanced infrared (IR) technology to measure temperature instantly.

INTENDED USE

TD-1261 ear thermometer is intended for the intermittent measurement and monitoring of human body temperature from ear canal. The device is intended for use by people of all ages for home and professional use.

HOW DOES IT WORK

The thermometer measures the infrared heat generated by the eardrum and its surrounding tissue. The thermometer then converts it into a temperature value shown on LCD.

IMPORTANT SAFETY INSTRUCTIONS

READ THIS BEFORE USING AND KEEP THESE INSTRUCTIONS

The following basic safety precautions should always be taken.

1. Close supervision is necessary when the thermometer is used by, on, or near children, handicapped persons or invalids.
2. Use the thermometer only for the intended use described in this manual.
3. Do not use the thermometer if it is not working properly, or if it has suffered any damage.
4. Do not use accessories which are not supplied or recommended by the manufacturer.
5. Proper maintenance is essential to the longevity of your device. If you are concerned about your accuracy of measurement, please contact the local customer service or place of purchase for help.

CAUTIONS AND WARNINGS

- As with any thermometer, proper technique is crucial to getting accurate temperature readings. **Please read this manual thoroughly and carefully before using.** temperature readings. Please read this manual thoroughly and carefully before using.
- Always operate the thermometer in an operating temperature range 10°C to 40°C (50°F to 104°F), and relative humidity less than 95%.
- Always store the thermometer in a cool and dry place: temperatures between -20°C to 60°C (-4°F to 140°F); relative humidity less than 95%. **Avoid direct sunlight.**
- **Avoid dropping** the thermometer.
- Use only TD-1261 probe covers for the infrared ear thermometer.
- For proper hygiene, do not re-use probe cover. Damaged probe cover may result in error display.
- **Do not** disassemble the thermometer.
- Basic safety precautions should always be observed, especially when the thermometer is used on or near children and disabled persons.
- This thermometer is not intended to be a substitution for a consultation with your physician.
- Keep probe covers out of reach of children.
- Temperature measurements may differ from left to right ear. Always measure by using same ear.

RESTRICTIONS OF USE

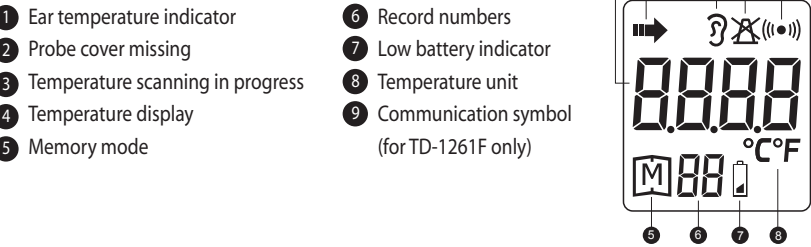
This thermometer is clinically proven to produce accurate temperature measurements. However, please be advised if you have the following situations:

- The accuracy cannot be ensured for a person who has deformity in the ear such that the thermometer probe cannot be properly inserted into the ear canal.
- The accuracy cannot be ensured when blood or drainage is found in the ear canal.
- If ear drops or medications have been placed in an ear, take measurements from the other ear.
- For a person who wears ear plug or hearing aid, remove the device and wait for 15 minutes before taking temperature.

NOTE

Never try to clean inside the ears. You may accidentally damage the eardrum or its surrounding tissues. Remove excess earwax only when you can reach it with a clean cloth. Consult a physician if you suspect the presence of excess earwax.

LCD SCREEN



USING THE DEVICE

Replacing Probe Cover

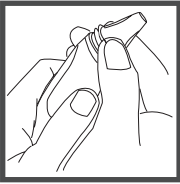
Step 1

Check the probe cover is clean and new.



Step 2

Attach new probe cover onto the probe. Now, you can start to test your ear temperature.



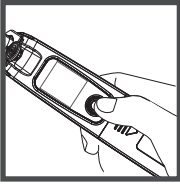
NOTE

- If a probe cover is not attached on the probe, LCD will show “X” until a new probe cover is firmly attached to the probe.
- The used probe cover should be removed after each measurement to ensure accuracy reading.
- To ensure proper hygiene, attach a new probe cover each time and do not touch its tip.

Measuring Temperature

Step 1

Press and release the On / Memory button to turn on the thermometer. When ready, the thermometer displays the last measurement.



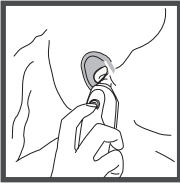
Step 2

Gently fit the probe with clean probe cover into the ear canal.



Step 3

Press and release the Scan button. You will hear a beep to indicate measurement is complete and thermometer may be removed.



Step 4

Read the result. “3” is shown together with a temperature value. The communication symbol is for TD-1261F only.



Step 5

Press ejection button to discard used probe cover into trash.



NOTE

- Turn off the thermometer by pressing On / Memory button twice. It will automatically turn off if left idle for 3 minutes.
- If the reading is $\leq 31.9^{\circ}\text{C}$ (89.5°F), the display will show “Lo” together with red backlight.
- If the reading is $\geq 32^{\circ}\text{C}$ (89.6°F) and $< 37.9^{\circ}\text{C}$ (100.3°F), the display will show together with green backlight.
- If the reading is $\geq 38^{\circ}\text{C}$ (100.4°F) and $< 43^{\circ}\text{C}$ (109.4°F), the display will show together with red backlight.
- If the reading is $\geq 43.1^{\circ}\text{C}$ (109.5°F), the display will show “Hi” together with red backlight.

RESULT INDICATORS

Message	What it means
Lo Hi	Temperature measurement falls outside the displayed temperature range (ear temperature range from 32°C to 43°C (89.6°F to 109.4°F), is shown on the display with red LED. <ul style="list-style-type: none">• Hi-temperature $\geq 43.1^{\circ}\text{C}$ (109.5°F)• Lo-temperature $\leq 31.9^{\circ}\text{C}$ (89.5°F)

HINTS ON TAKING EAR TEMPERATURES

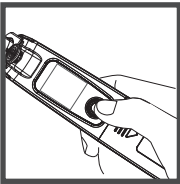
1. As with other thermometers, you may observe slight variations in consecutive measurements. It is recommended that you take 3 temperature readings and use the highest one for the following situations:
 - Infants younger than 3 months old.
 - Children younger than 3 years old and who have a compromised immune system and the presence / absence of fever is critical.
 - When you are learning to use the thermometer.
2. Do not take a reading while the patient is moving and / or talking. Wait 30 minutes after any of the following situations before taking a measurement:
 - When the ear has been covered.
 - After the patient has been exercising, swimming, or taking a bath.
 - When the patient has been exposed to extreme temperature.
3. To take accurate readings, the ear must be free from excess earwax build-up.

RECALLING THE MEMORY

Your thermometer stores 10 recent readings in the memory.

Step 1

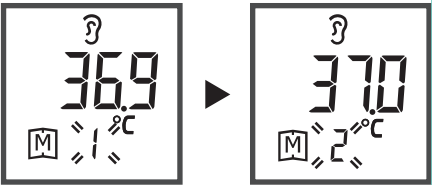
Be sure the thermo-meter is OFF before recalling this memory.



Step 2

Press the On / Memory button to turn on the thermometer.

Step 3
Press the On / Memory button for 3 seconds to enter memory mode.
Each time you press the On / Memory button, a result will be displayed in the order of dates (latest result shown first), together with “M” and number (from 1 to 10).



When the memory is full, the oldest result is deleted as the new one added. When the last record is displayed in the LCD, press On / Memory button again to return the first record.

Step 4
Exit the memory.
Press the Scan button and LCD will show latest results with flashing “ ”. Then press On/Memory button again and LCD will show “ OFF ” to exit memory.

VIEWING RESULTS ON PERSONAL COMPUTER OR DEVICE

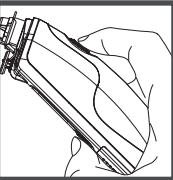
TD-1261 has 2 types of transmission methods; your meter uses either RS232 interface cable or Bluetooth to transmit the data, please check your meter box for the transmission method of your meter.

Transmitting Data via RS232 Cable (for TD-1261B)

- 1. Install Software
Install Health Care System Software on your computer by following the instructions provides on TaiDoc's website.
- 2. Connect to Personal Computer
Connect the RS232 interface cable to a serial port on the back of your computer. With the thermometer turned off, connect the other end of the RS232 interface cable to the data port located at the bottom of the thermometer. Then“PCL”will appear in the display, indicating that the thermometer is ready to transmit data.
- 3. Transmit Data
Follow the instructions provided in the software to transmit data. Results transmitted will include date and time. Remove the cable and the thermometer will automatically turn off.

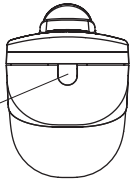
Transmitting Data via Bluetooth (for TD-1261F)

You can transmit your temperature data from the meter to your device via Bluetooth. Please contact your local customer service or place of purchase for assistance. Please note that you must complete the pairing between meter and Bluetooth receiver before transmitting data.



- 1. Turn on the meter, press and firmly hold On/Memory button and Scan button at the same time until "CLr" shows on the display. The Bluetooth indicator will flash quickly, which means the meter is in Bluetooth pairing mode.

- 2. Turn on the Bluetooth function of your device so that it can begin searching for the ear thermometer. When the name of the ear thermometer appears on the pairing list, select and add it to the list.
- 3. On your device, the ear thermometer will be shown as a paired device, suggesting successful pairing.



Bluetooth Indicator

Bluetooth Indicator on the Thermometer

Bluetooth Indicator	Status
Flash fast	Pairing mode.
Flash slowly	Connection mode.
Lit solid	The connection is established.

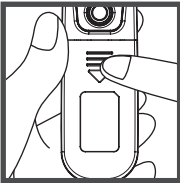
WARNING

- While the meter is in transmission mode, it will be unable to perform a test.
- Make sure your device has the Bluetooth function turned on and the meter is within the receiving range before transmitting the data.

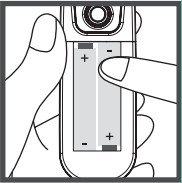
REPLACING THE BATTERY

The thermometer comes with two 1.5 V AAA alkaline batteries. Replace it when “ ” appears. Please follow the steps to replace new batteries.

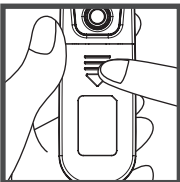
Step1
Remove the battery cover.



Step2
Place the new batteries in the battery compartment and press it in until the batteries are secured.



Step 3
Reattach the battery cover.



NOTE

- Although the thermometer works when “ ” appears, we still recommend that you change the batteries to obtain an accurate result.
- Remove the batteries if stored for a long period of time.
- The batteries should be kept out of children. If they are swallowed, promptly see a doctor for help.
- Properly dispose of the batteries according to your local environmental regulations.

ABOUT NORMAL BODY TEMPERATURE & FEVER

Body temperature can vary from one individual/person to next. It also varies by location on the body and time of day. Below shows the statistical normal ranges from different sites. Please keep in mind that temperatures measured from different sites, even at the same time, should not be directly compared.

Fever indicates that the body temperature is higher than normal. This symptom may be caused by infection, overdressing or immunization. Some people may not experience fever even when they are

ill. These include, but are not limited to, infants younger than 3 months old, persons with compromised immune systems, persons taking antibiotics, steroids or antipyretics (aspirin, ibuprofen, acetaminophen), or persons with certain chronic illnesses. Please consult your physician when you feel ill even if you do not have a fever.

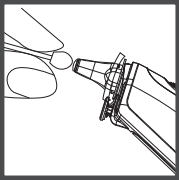
Table *1 Body Site Normal Temperature Range

Body Site	Normal Temperature Range
Oral	35.5°C - 37.5°C (95.9°F - 99.5°F)
Axillary (underarm)	34.7°C - 37.3°C (94.5°F - 99.1°F)
Rectal	36.6°C - 38.0°C (97.9°F - 100.4°F)
Ear	35.8°C - 38.0°C (96.4°F - 100.4°F)

*1. Chamberlain, J. M. Terndrup, T. E., New Light on Thermometer Readings, Contemporary Pediatrics, March 1994.

CARE & CLEANING

- The probe is not waterproof. Please wipe with a clean and dry cotton swab to clean the probe on the inside.
- Do not attach new probe cover for 30 minutes. The cleaning process cools the probe and can affect accuracy.
- The body of the thermometer is not water-resistant. Never put the thermometer under a running tap or submerge it into water. Use a soft and dry cloth to clean it. Do not use abrasive cleaners.
- Store the thermometer in a cool and dry location. Free from dust and away from direct sunlight.



TROUBLESHOOTING

The table below shows problems you may encounter. All error messages below would be shown together with red backlight. Please follow "what to do" to resolve problems. If the problem still exists, please call your local dealer for help.

Message	What it means	What to do
Err.1 Err.2	Appear when environmental temperature is below or above system operation range.	Put the thermometer under operating temperature range of 10°C to 40°C (50°F to 104°F)
	Probe cover is missing.	Please replace probe cover onto probe.
Err.4 Err.7 Err.8 Err.9	Problem with the thermometer.	Review the instructions and re-start the measurement procedure. If the steps do not work, contact dealer.
	Battery is low and “ ” appears on LCD.	Please replace new batteries.
Err.5	Appears when the batteries can't provide enough power for a test.	Please replace new batteries as soon as possible.

SYMBOL INFORMATION

Symbol	Referent	Symbol	Referent
	Consult instructions for use		Type BF Equipment
	Manufacturer		Collection for electrical and electronic equipment
SN	Serial number		Temperature limitation
	Caution, consult accompanying documents		Humidity limitation
EC REP	Authorized representative in the European Community	CE 0123	CE mark

SPECIFICATIONS

Model no.: TD-1261
Dimension & Weight: 160.5mm x 45.9mm x 32.5mm, 100g (include 2 x1.5V AAA batteries)
Battery: 2 x 1.5 V AA alkaline batteries
External output: RS232 interface cable (For TD-1261B)/ Bluetooth (For TD-1261F)
Displayed temperature range: 32°C to 43°C (89.6°F to 109.4°F)
Display resolution: 0.1°C /0.1°F
Accuracy: Meet the accuracy requirement specified in ASTM E1965-98
±0.2°C (±0.4°F) for the range of 36.0°C to 39.0°C (96.8°F to 102.2°F)
±0.3°C (±0.5°F) from 34.0°C to 35.9°C (93.2°F to 96.6°F) and from 39.1°C to 42.2°C (102.4°F to 108.0°F)
Temperature unit: Fixed °C or °F
Operating temperature range: 10°C to 40°C (50°F to 104°F)
Operating humidity: 95% RH or less
Storage temperature range: -20°C to 60°C (-4°F to 140°F)
Storage humidity: 95% RH or less
Memory capacity: 10 measurements
Expected service life: 3 years

The specifications may be changed without prior notice.

REFERENCE STANDARDS

Device Standard:
Device Corresponds to the requirements of the standard for infrared thermometers
ASTM E1965-98
EN ISO 80601-2-56:2012
EN 60601-1-2:2007/AC:2010
EN 60601-1:2006+A12:2014
EN 60601-1-6:2010

Electromagnetic Compatibility:
Device fulfills the stipulations of the standard EN 60601-1-2



The stipulations of EU-Directive 93/42/EEC for Medical Devices Class IIa have been fulfilled.

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