

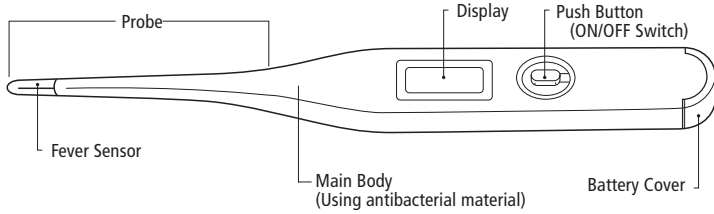
# INSTRUCTION MANUAL

## for DIGITAL THERMOMETER

### REF: CT-513W (WITH BUZZER & WATERRESISTANT)

PLEASE READ THIS MANUAL IN ANY CASE BEFORE USING.

### PARTS NAMES



### PRECAUTIONS

- Do not use this thermometer for measurements other than body temperature. The thermometer will be damaged if it is used to measure the temperature of bath, refrigerators etc.
- Do not drop the thermometer and do not expose the thermometer to heavy shock. As the thermometer is not shock-protected construction.
- Do not bend the thermometer.
- Do not bite the probe.
- Do not disassemble the unit, do not make any modifications and do not touch the circuitry.
- Do not spill chemical solvents on the unit.
- Do not store the unit in direct sunlight, not at high temperature and not at a high degree of humidity or dust.
- Do not boil the probe.
- Do not use the thermometer if it operates irregularly or shows signs of malfunction.
- Do not use thinner or benzine.
- When using the thermometer after storage at low temperature, place it in a warm place for 5 to 10 minutes before use.
- Keep the thermometer out of reach of children.
- Wipe the thermometer clean before storing.
- When discarding the thermometer or battery, please observe any local waste disposal regulations currently in force in your area.



**Warning**

No modification of this device is allowed.

### SPECIFICATIONS

<b>Measurement method:</b>	Maximum thermometer
<b>Measurement range:</b>	32°C–42°C
<b>Accuracy:</b>	±0.1°C between 35.5°C and 42°C at an ambient temperature of 18°C to 28°C
<b>Display:</b>	3 digits with decimal point, M (Memory mark), °C (°C indicator)
<b>Rated voltage:</b>	DC 1.5 V === (===: Direct current)
<b>Battery:</b>	LR41 or equivalent (1.5 V)
<b>Battery life:</b>	Approx. 3 years (If used 3 times a day, for 10 min. each time)
<b>Weight:</b>	Approx. 10g (Include battery)
<b>Operating environment:</b>	Temperature 10 to 40°C, Relative humidity 30 to 85%
<b>Storage/transport environment:</b>	Temperature –20°C to 60°C, Relative humidity 10 to 95%
<b>Electrical shock protection:</b>	Internal power unit
<b>Degree of Protection</b>	Type BF applied part * Applied part for this device is a probe.

- Intended Use
- This device can measure the human body temperature.
  - This device is intended to be used for checking personal health condition at home.

### HOW TO OPERATE

- Turn unit on by depressing the push button. The unit will beep.
- You will see the following display, serving the function check.

All segment displays:

and then the last measured value will be on the display:

in case there is no last measured value stored, the display will appear as:

- After the last measured value normally appears:

i.e. temperature below 32°C.

If the temperature is above 42°C, appears:

- Now carry out the measurement.

#### A: Measurement in the mouth (oral):

Place the thermometer under the tongue and close the mouth.

As long as the measurement is not stable yet, the °C-indicator flashes.

If the temperature is constant in one digit after the point, the °C-indicator stops flashing. The temperature sensor buzzer generates rapid beeps to indicate that the temperature is accurately measured. After starting of measurement for about 1 minute, the beeping sound will be heard.

#### B: Underarm measurement (axillary):

To confirm the underarm should be dry and the fever sensor should be inserted into the center of the underarm with contacting tightly to a skin. And then your arm should be put on the chest tightly. After starting of measurement for about 2 minutes, the beeping sound will be heard.

Note: Axillary temperature is usually 0.5°C lower than oral reading.

\* In order to measure the temperature more appropriately, hospitals recommend to require times, in case of the mouth (oral) measurement for over 5 minutes and in case of the underarm (axillary) measurement for over 10 minutes.

\* Temperature should only be taken under the supervision of an adult and it is not suggested to take a rectal temperature with your thermometer.

- Switch off the thermometer.

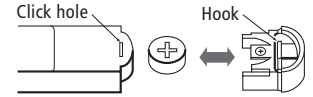
If the thermometer is not switched OFF by you, it will switch off automatically after about 10 minutes.

Wipe the thermometer with a dry cloth before putting it back into the hard case.

### BATTERY REPLACEMENT

If the display segments appear to be blinking, the battery has to be replaced. Before such replacement the unit should not be used any more, since a probe function is not ensured.

- Push the hook placed in the click hole (which is located back side of the thermometer) with a minus screw driver and slide the battery cover off.



- Remove the exhausted battery and insert a new battery the same way. Make sure that the plus side shows when the battery is in place.
- Replace the battery cover as the same direction before the replacement of battery.

#### Caution:

Swallowing the battery may be fatal. If the battery has been swallowed, contact a hospital immediately and have it removed. Do not throw the battery into a fire. It may explode. Do not recharge the battery, do not disassemble or short-circuit it.

#### Information for Collection and Disposal of used Batteries.

Used batteries If you want to dispose this product, do not mix with general household waste. Please contact your local municipality for more information.



#### Information on Disposal in other Countries outside the European Union.

If you wish to discard used batteries, please contact your local authorities or dealer and ask for the correct method of disposal.

### CLEANING

Clean the housing of the thermometer with ethyl alcohol or a neutral detergent, using a cloth. (Don't use thinner or benzine.)

### CALIBRATION CHECK

We recommend a calibration check for instruments used professionally, e.g. at clinics according to any national statutory regulations, if any.

### SYMBOLS EXPLANATION

- : The CE marking is meant to provide information to market inspectors in the EU member countries.
- : Type BF applied part
- : Warning
- : Refer to instruction manual before use
- : Appliance compliance WEEE directive
- : Accumulators and battery packs for separate collection
- : Manufacturer

### OTHER INFORMATION



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#### European Representative

Name: WwW elektronische Geräte Vertrieb GmbH  
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• For technical data, please contact our European Representative

#### WEEE

If you want to dispose this product, do not mix with general household waste. There is a separate collection systems for used electronics products in accordance with legislation under the WEEE Directive (Directive 2002/96/EC) and is effective only within European Union.

#### Reference European standard:

This products complies with EC instructions 93/42/EEC (Medical Device Directive) and with the following standard EN12470-3 Clinical thermometer, ASTM E1112, IEC60601-1, IEC60601-1-2 for EMC.

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