ATTACHING A PROBE COVER

1. Gently squeeze the opposite ends of the thermometer to pull off the probe cap.

   NOTES:
   - Do not force to remove the cap.
   - Always use a new and unrimedged probe cover.
   - Make sure the cap is clean.

2. Place a new probe cover on the connection ring.

   NOTE: Make sure to place the “Adhesive Side” of probe cover “Upward.”

3. Align the probe with the center of probe cover.

   Insert the probe into the probe cover on the connection ring.

4. Pull the connection ring until the “Click” sound. This means the probe cover has been installed successfully.

   NOTE: If the probe cover did not connect firmly, the “     ” icon will flash on the LCD screen. Please check the setting of the probe cover again.

TAKING A MEASUREMENT

1. Press the “ON/OFF” button to power on.

   The thermometer is ready for use after the power icon stops flashing and two short beep sound.

2. Gently pull the bulb back straighten the bulb and snugly position the probe into the ear canal, aiming towards the membrane of the eardrum to obtain an accurate reading.

3. Measuring the ear temperature: Use the index finger to trigger. Press the “Measure” button until you hear a long beep.

4. Power off: Press and hold the “ON/OFF” button to turn off the unit. Device will automatically shut down after 1 minute pending to extend battery life.

   NOTES:
   - If device is accidentally used without a probe cover, clean the probe as follows:
     - Proper installation of the probe cover ensures accurate measurements.
     - If device is accidentally used without a probe cover, clean the probe as follows:
     - (a)Please use the cotton swab with the Alcohol (70% concentration) to clean the lens (on the inside of the probe).
     - Never use any liquid or abrasive chemical.
     - (b)If the probe is fully dry at least 1 minute, make sure to use.
     - Only use one probe cover at a time.
     - If the ambient temperature is not within the temperature range of 10°C and 40°C (50°F - 104°F), RH 34.0°C (93.2°F ) to 42.2°C (108.0°F)
     - If the probe is fully dry at least 1 minute, make sure to use.
     - Only use one probe cover at a time.

5. To use the function of remaining battery level, keep pressing the “Power” button until the “     ” icon appears on the LCD display.

   NOTE: Battery is low and no more measurements are possible.

6. Power off: Press and hold the “ON/OFF” button to turn off the unit. Device will automatically shut down after 1 minute pending to extend battery life.

   NOTES:
   - The device showing a rapid ambient temperature change.

   - The battery shows a body temperature 37.5°C (or 99.5°F), short beep sound will follow one long beep sound to warn the user for potential error.

7. Checking the memory function

   The reading of the thermometer is within the normal temperature range of 35°C to 42.2°C (95°F to 108°F).

   After each measurement, the reading is saved into memory.

   Press the “Memory” button again to see the temperature reading.

   The thermometer provides 9 sets memory for the measurements.

Troubleshooting

Error Message | Problem | Solution
--- | --- | ---
Device malfunction in process | Wait until stops flashing. | Replace the battery.
Measurement before device stabilization. | Wait until stops flashing. |
The device showing a rapid ambient temperature change. | Allow the thermometer to rest in a room for at least 30 minutes at room temperature: 10°C and 40°C (50°F - 104°F). |
The ambient temperature is not within the range between 10°C and 40°C (50°F - 104°F). | Allow the thermometer to rest in a room for at least 30 minutes at room temperature: 10°C and 40°C (50°F - 104°F). |
Error 5-9: system is not functioning properly. | Unplug the battery, wait for 1 minute and repeat. If the message reappears, contact the retailer for service. |
Temperature taken is lower than 34.0°C (93.2°F). | Check the integrity of the probe cover and take a new temperature measurement. |
Temperature taken is lower than 34.0°C (93.2°F). | Make sure the probe cover is clean and take a new temperature measurement. |
Device cannot be powered on to the ready stage. | Change with a new battery. |

Specifications

- Product Type: Ear Thermometer
- Model: TH839S
- Power Supply: 1.5V DC, 1 CR2032 Lithium Button Battery
- Power Consumption: 0.1W
- Battery Life: With new battery approx. 2500 measurements
- Sensing Unit: Thermistor
- Temperature Display: -30°C to 100°C (-22°F to 212°F)
- Measurement Accuracy:
  - Thermometer: +0.1°C, +0.2°C (at 32°C, 36°C, 38°C, 39°C)
  - Engine: +0.1°C, +0.2°C (35°C and 38°C) for other range
  - Operating Environment: 10°C to 40°C (50°F - 104°F)
- Temperature and Humidity: 30% to 80% RH
- Weight: 84g
- Water Resistant: Yes
- Battery Cover: Yes
- Measuring Time: 2 seconds
- Memory: 9 sets memory

Manufacture Date: as the serial number (please open the battery cover, it is shown on the inside of the device.)

En.SN.720020001, the first “F” is External, the second number “2” in the manufacture year 2012, the third and the fourth number “09” is the manufacture month, others is the serial number.

References:


[3] This thermometer converts the ear temperature to display its “oral equivalent.” (according to the result of the clinical evaluation)
Guidance and manufacturer’s declaration – electromagnetic emissions

The TH8xyz series is intended for use in the electromagnetic environment specified below. The customer or the user of the TH8xyz series should ensure that it is used in such an environment.

<table>
<thead>
<tr>
<th>Emission test Type</th>
<th>Compliance level</th>
<th>Electromagnetic environment – guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>RF emissions</td>
<td>Class B</td>
<td>The TH8xyz series is suitable for use in all environments, including domestic establishments and those directly connected to the public low-voltage power network that supplies buildings used for domestic purposes.</td>
</tr>
<tr>
<td>Radiated emissions</td>
<td>IEC 61000-6-3-2</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Voltage fluctuations/ flicker emissions</td>
<td>IEC 61000-6-3-2</td>
<td>Not applicable</td>
</tr>
</tbody>
</table>

Guidance and manufacturer’s declaration – electromagnetic immunity

The TH8xyz series is intended for use in the electromagnetic environment specified below. The customer or the user of the TH8xyz series should ensure that it is used in such an environment.

<table>
<thead>
<tr>
<th>Immunity test Type</th>
<th>IEC 61000-6-4</th>
<th>Compliance level</th>
<th>Electromagnetic environment – guidance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conducted RF</td>
<td>IEC 61000-4-6</td>
<td>Not applicable</td>
<td>The TH8xyz series uses radiated and conducted RF energy only for its internal function. Therefore, any RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.</td>
</tr>
<tr>
<td>Radiated RF</td>
<td>IEC 61000-4-3</td>
<td>3 V/m (80 MHz to 800 MHz)</td>
<td>The TH8xyz series is suitable for use in all environments, including domestic establishments and those directly connected to the public low-voltage power network that supplies buildings used for domestic purposes.</td>
</tr>
</tbody>
</table>

Recommended separation distances between portable and mobile RF communications equipment and the ME EQUIPMENT or ME SYSTEM

The TH8xyz series is intended for use in an electromagnetic environment in which induced RF disturbances are controlled. The customer or user of the TH8xyz series can help prevent electromagnetic interference by maintaining a minimum separation distance between portable and mobile RF communications equipment (transmitters) and the TH8xyz series as recommended below, according to the maximum output power of the communications equipment.

<table>
<thead>
<tr>
<th>Rated maximum output power of transmitter(s)</th>
<th>Separation distance to frequency of transmitter in meters</th>
</tr>
</thead>
<tbody>
<tr>
<td>500 W (80 MHz to 800 MHz)</td>
<td>1.2</td>
</tr>
<tr>
<td>1 kW (800 MHz to 2.5 GHz)</td>
<td>1.5</td>
</tr>
<tr>
<td>2 kW (800 MHz to 2.5 GHz)</td>
<td>3.5</td>
</tr>
</tbody>
</table>

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.