

ORAL DIGITAL THERMOMETERS

Important safety instructions

- This thermometer is suitable exclusively for measurement of the body temperature.
- The minimum measurement time is required; there are no exceptions. Therefore, do not remove the thermometer until the signaling tone [beep] sounds.
- The thermometer contains small parts (battery, etc.) that can be swallowed by children. Never leave children unattended around the thermometer.
- Protect the thermometer from hitting and striking.
- Avoid ambient temperatures above 60 °C/140 °F. NEVER boil the thermometer.
- Use only the commercial disinfectants listed in the section «Cleaning and disinfecting» to clean the thermometer. The thermometer must remain intact when immersed in liquid disinfectant.
- The manufacturer recommends to verify the accuracy by an authorized laboratory every 2 years.

Batteries and electronic instruments must be disposed of in accordance with locally applicable regulations, and not with domestic waste.

Turning on the thermometer

To turn on the thermometer, push the button over the display window; a short signaling tone [beep] signals «thermometer ON». A display test is performed. All segments should be displayed. Then at an ambient temperature of less than 32°C, «--» and a flashing «°C» will appear at the upper right of the display. The thermometer is now ready for use.

Using the thermometer

Choose the preferred measuring method. During a measurement, the current temperature is displayed continuously. The «°C» symbol flashes during this period of time. If the signaling tone sounds (beep-beep-beep 10 times) and the «°C» is no longer flashing, this means that the measured increase in temperature is now less than 0.1°C in 6 seconds and now the thermometer is ready for reading. To prolong the life of the battery, turn device off after use by pressing the operating button briefly. Otherwise, the thermometer will automatically turn off after 8 minutes and 40 seconds.

Storage of measured values

If you hold the button down for more than 3 seconds when turning the thermometer on, the maximum temperature stored automatically at the last measurement will be displayed. At the same time, a small «M» for memory will appear at the right of the display. After 3 more seconds, this value will disappear and the thermometer will switch to the normal measurement mode. Then the stored value is erased.

Measuring method (oral)

Position the thermometer in one of the two pockets under the tongue, to the left or right of the root of the tongue. The measuring sensor must be in good contact with the tissue. Close your mouth and breath evenly through the nose to prevent the measurement from being influenced by inhaled/exhaled air. Approx. measuring time: 30 seconds.

Cleaning and disinfecting

Isopropyl alcohol 70 %.

Battery replacement

When the «▼» symbol (upside-down triangle) appears in the lower right of the display, the battery is exhausted and needs replacing. For battery replacement, please remove the compartment lid of the thermometer. Replace with new battery by positioning the + at the top. Make sure a battery of the same type is on hand. Batteries can be purchased at any electrical shop. For battery disposal please refer to «Important safety instructions».


	Technical specifications
Type	Maximum thermometer
Measurement range	32.0 °C bis 42.9 °C Temp. < 32.0 °C: display «--» for low (too low) Temp. > 42.9 °C: display «H» for high (to high)
Measurement accuracy	±0.2°F/0.1°C between 96.0 to 107.0 °F/34.0°C to 42°C ±0.5°F/0.3°C between 90.0 to 96.0 °F/32.0 to 34°C and 107.0 to 109.9 °F/42.0 to 42.9°C
Operating temperature	10 °C to 40 °C
Self-test	Automatic internal check at a test value of 37 °C; if there is a deviation of > 0.1 °C, «ERR» (error) is displayed.
Display	Liquid crystal display (LCD) with three digits. Smallest unit of display: 0.1 °C
Signaling tone	For signaling that the thermometer is ready to use and that the temperature increase is less than 0.1 °C / 6 seconds
Memory	For storing the last measured value
Storage Environment	temperature: -25 °C to +60 °C, humidity: 15 % to 95 % (noncondensing)
Battery	1.5V; LR41; Battery lifetime: approximately 4500 measurement.
Reference to standards	EN12470-3, clinical thermometers, ASTM E 1112, IEC 60601-1, IEC 60601-1-2
Electromagnetic Compatibility	Device fulfills the stipulations of the standard IEC 60601-1-2
IP code	IP21 rating determined in IEC standard 60529


Operation of the °F - °C feature

To change the measuring scale from the "OFF" position, hold down the "MULTI-FUNCTION" button for 5 sec. The thermometer will automatically change from °F to °C or °C to °F. Release the button. You may toggle between °C and °F. After 3 sec. in one scale, the °C or °F will flash, indicating ready to measure.

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 Consult instructions for use

 Type BF equipment for use