

DIGITAL THERMOMETER

Important safety instructions

- This thermometer is suitable exclusively for measuring 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.
- Clean thermometer by wiping it with a dry cloth and sterilize the probe with isopropyl alcohol 70%. Don't let thermometer contact any chemical thinner. Not completely waterproof. Do not soak the LCD in water, only the probe is waterproof.
- Do not use the device if you think it is damaged or if anything appears unusual.
- Do not store this thermometer in direct sunlight or in extreme temperature or humidity conditions.
- Do not use this thermometer in the immediate vicinity of devices with strong electromagnetic fields. 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; The LCD will show 188.8 for 2 seconds and you will hear a beep simultaneously. A display test is performed; all LCD segments are active. Then the last temperature reading will display on the LCD. Lastly, the display test will finish by showing an ambient temperature of 98.6 F or 37 C. After this disappears, Lo °C (Lo°F) sign shows. 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» or «°F» symbol flashes during this period of time. If the signaling tone sounds (beep-beep-beep 10 times) and the «°C» or «°F» is no longer flashing, this means that the thermometer is ready for reading. To prolong the life of the battery, turn it off after use by pressing the operating button briefly. Otherwise, the thermometer will automatically turn off in about 10 minutes.

Measuring methods

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 breathe evenly through the nose to prevent the measurement from being influenced by inhaled/exhaled air. Approx. measuring time: 20 seconds.

Rectal

Lubricate the probe with a water-soluble lubricant for easier insertion. Gently insert the probe about one centimeter (less than 1/2inch) into the patient's rectum for about 90 seconds. Note: Please

remember that the rectal temperature is a little higher than external temperature (about 0.5°C)

Axillary

Wipe underarm with a dry towel. Place probe tip in armpit and bring arm down against the body. The probe should be pointing upward in the same direction as your body if possible. The time required for an accurate underarm temperature may be 90 seconds or longer depending on placement of the probe and closure of the arm against the body.

Cleaning and disinfecting

Name: Isopropyl alcohol 70 %. Clean the thermometer by wiping with a dry cloth and sanitizing the probe tip with alcohol.

Water resistant

The LCD screen and battery compartment are not waterproof. Only the probe tip is waterproof.

Battery replacement

When the «▼» symbol (upside-down triangle) appears in the lower right of the display, the battery is exhausted and needs replacing. For the battery replacement please remove the compartment lid of the thermometer. Replace the exhausted 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 «safety instructions».

	Technical specifications
Type	Maximum thermometer
Measurement range	90.0 °F - 111.2 °F (32 °C - 43.9 °C) Temp. < 32.0 °C: display «---» for low (too low) Temp. > 43.9 °C: display «H» for high (too high)
Measurement accuracy	±0.2 °F/0.1 °C between 95.9 °F - 107.6 °F/35.5 °C - 42.0 °C, ±0.4 °F/0.2 °C between 95.9 °F - 107.6 °F/35.5 °C - 42.0 °C
Operating temperature	50 °F - 95 °F (10 °C - 35 °C) Relative humidity: 15%RH - 85%RH
Display	Liquid crystal display (LCD) with 3 digits. Smallest unit of display: 0.1 °C, Backlight Function.
Signaling tone	For signaling that the thermometer is ready to use and that the measurement is complete.
Memory	For storing the last measured value
Storage Environment	temperature: -25 °C - 55 °C, relative humidity: 15%RH-85%RH (noncondensing)
Battery	One 3V DC button battery; size CR1225 Battery lifetime: approximately 200 hours of use
Reference to standards	EN12470-2:2000, clinical thermometers, ASTM E 1112, IEC 60601-1:1998+A1+A2 and IEC 60601-1-1-2:2001
Electromagnetic Compatibility	Device fulfills the stipulations of the standard IEC 60601-1-2
IP code	IP21 rating determined in IEC standard 60529
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.

Operation of the °F - °C feature

To change the measuring scale, while the device is "OFF", hold down the button over the display for 3-4 seconds. The thermometer will automatically change from °F - °C or °C - °F. Release the button. The °C or °F will flash, indicating ready to measure.

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 Consult instructions for use

 Type BF equipment