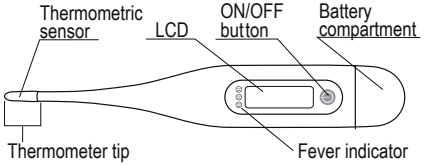
Digital Thermometer

Model: DT-R1221A(2) and DT-R1221B



Note: The exterior of each model has a little difference.

Congratulations on your purchase of this product.
Please read the instructions carefully before using the thermometer for the first time and keep these instructions in a safe place. This product is intended for measurement of human body temperature.

Operating Instructions
Before using, please disinfect the probe. To switch on, press the ON/OFF button next to the display. A short beep will sound indicating that the thermometer runs a self-check test during which all the digital segments appear on the LCD. This will be folowed by the last measured temperature. After this, the letters "Lo" and a flashing "ºF" appear and the thermometer is ready for use. If the ambient temperature is below 89.6ºF , then "Lo ºF" will appear on the LCD. If the ambient temperature is over 109.2ºF; "Hi ºF" will appear on the LCD. During the temperature reading, the temperature is displayed continuously and the "ºF" symbol flashes. The measurement is completed when a constant temperature value has been reached. The temperature value is considered constant when the temperature rises less than 0.1ºF within 3 seconds. When the constant temperature value is reached, a beep will sound 10 times "bi-bi-bi-bi-...", and the "ºF" symbol will stop flashing. The highest measured temperature appears on the LCD.

Fever alarm
If the detected body temperature exceeds 99.5ºF the thermometer will sound a fever alarm: "bi-bi-bi---bi-bi-bi---...".

Note: this a maximum thermometer and the displayed temperature can increase slightly if the measurement continues after the beeps. This is particularly the case with axillary measurements which require a significantly longer measurement time for accurate measurements. Please follow the instructions described in the "Methods of measuring temperature" section.

Fever indication
☹ Over 100.2ºF; fever!
😐 99.5ºF~100.2ºF; slightly higher temperature.
☺ 99.5ºF; good temperature.

Auto-off function
When the measurement is completed, switch the thermometer off by pressing the ON/OFF button. If not switched off, the thermometer will shut off automatically after 10 minutes.

Memory function
When the thermometer is turned on, the last measurement will show on screen for 2 seconds. Press the button again to turn the thermometer off. When the thermometer will remain turned on, the result will be overwritten by the new measurement.

Methods of measuring temperature
It is important to remember that the body temperature reading depends on the position where it is measured. For this reason, the measurement position must always be specified in order to ensure that a correct temperature reading is recorded.

Rectal / Vaginal Measurement
This is the most accurate method from a medical point of view because it is closest to the core body temperature. The thermometer tip is inserted carefully into the rectum for a maximum of 2 cm. The usual measuring time is approximately 8 to 15 seconds.

Axillary Measurement
Placing the thermometer in the armpit provides a measurement of surface temperature that can fluctuate by around 0.9ºF to 2.5ºF from rectal / vaginal temperature readings in adults. The usual measuring time for this method is approximately 20 to 30 seconds. It should be noted that an exact reading won't be obtained if, for example, the armpit temperature is lower than normal (the armpit temperature has been cooled down). If this is the case, extend the measuring time to 5 minutes in order to obtain a reading that corresponds more closely to the core body temperature.

Oral Measurement
There are different heat zones in the mouth. As a general rule, the oral temperature is 0.5ºF to 1.4ºF lower than the rectal / vaginal temperature. To ensure that the reading is as accurate as possible, place the thermometer tip to the left or right of the root of the tongue. The thermometer tip should remain in constant contact with the tissue under the tonque during the reading. The mouth should remain closed during the reading. Eating or drinking or breathing through the mouth just before measuring will result in an inaccurate temperature reading. The usual measuring time is approximately 8 to 15 seconds.

Cleaning and disinfection
The best way to clean the thermometer tip is by applying a disinfectant (e.g. 70% ethyl alcohol) with a damp cloth. This waterproof thermometer can be immersed in lukewarm water for thorough cleaning and disinfection.

Safety precautions
- Do not expose the thermometer to hot water over 122ºF.
- Do not expose the thermometer to high temperatures or direct sunlight.
- Do not drop the thermometer. It is neither shock-proof nor impact-resistant.
- Do not bend or open the device (except the battery compartment).
- Do not clean with thinners, petrol or benzene. Only clean the thermometer with water or disinfectant.
- Do not immerse the thermometer under water deeper than 15cm for longer than 5 minutes.
- The thermometer contains small parts (including a battery) which can be swallowed by children. For this reason, do not leave the thermometer unattended in the hands of children.
- Avoid bending the flexible tip by more than 45 degrees.
- If the ambient temperature is over 95ºF, dip the thermometer tip in cold water for 10 seconds prior to measuring the temperature.
- Persistent fever, in particular in children, has to be treated by a doctor. Please get in touch with your doctor!

Battery replacement
The battery is empty and needs replacing when the battery symbol ▭ appears on the right of the LCD. Remove the philips screw from the back of the thermometer. Pull off the battery cover. Gently slide out the circuit board with the battery chamber approximately up to 1 cm and replace the battery by one of the same type (preferably non-mercury) with the "+" polarity facing up. After replacing the battery, reposition the circuit board, the battery cover and the philips screw. To protect the environment, please do not dispose of batteries as normal waste. Instead, please hand them in at a collection point or municipal recyclable material centre as special waste.

Technical data
Type: *maximum thermometer*
Measurement range: *(89.60 ºF ~109.40 ºF)*
Measurement accuracy:
+/-0.2ºF (95.9ºF~107.6ºF) at ambient temperature (64.4ºF~82.4ºF).
+/-0.4ºF (89.6ºF~95.9ºF) at other ambient temperatures.
Storage/transportation conditions: *15%~95% RH*
Ambient operating conditions: *15%~95%RH*
Min Scale: *0.1ºF*
Battery type: *Alkaline manganese battery, type LR41, 1.5V.*
Weight: *Approx. 12g*

Explanation of symbols

▭	Battery is empty
	The battery in this product complies with the requirements stated in European Directives 2006/66/EEC.
LoºF	Temperature is under 89.6 ºF
HiºF	Temperature is over 109.4 ºF
	Type BF equipment
	Consumed electronic products must not be mixed with conventional domestic waste. Take this product to the appropriate wasted collection points for correct handling and recycling.

Legal requirements and guidelines
This product complies with the European Directive for Medical Devices 93/42/EEC and carries the CE mark. The device also complies with the specifications of the European Standard for Clinical Thermometers Part 3: Performance of compact electrical thermometers (non-predictive and predictive) with maximum device. The CE marking confirms that this is a medical device with a measuring function as defined by the Medical Devices Act, which has undergone a conformity assessment procedure. Notified Body 0197 confirms that this product fulfils all the appropriate statutory regulations.
This thermometer conforms to all of the requirements established in ASTM Standard E 1112. Full responsibility for conformance of this product to the specification is assumed by iProvèn, 9450 SW Gemini Dr #48879, Beaverton OR, 97008-7105.

Calibration check
This thermometer is initially calibrated at the time of manufacture. If this thermometer is used according to the operation instruction, periodic re-adjustment is not required. The calibration check should be carried out immediately, if there are indications that the product does not maintain the defined error limits or if the calibration could have been affected by an external factor or by any other means. For callibration please observe any national statutory or administrative regulations. The calibration check can be carried out by any competent authority or by authorised service providers. Test instructions for a calibration check can be provided to the relevant authorities and authorized service providers on request.

Warranty
For 1 year extended warranty please register your product at **warranty.iproven.com**

Provèn

Manufactured for: iProvèn USA LLC
Address: 9450 SW Gemini Dr #48879
Beaverton - OR 97008-7105

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