

THERMOFOCUS®

Non-contact medical thermometer

Hygienic, safe and easy to use, giving fast and accurate measurements with absolutely no contact at all.

Accurately and quickly measures...

- ...Body
- ...Food
- ...Bath water
- ...Wounds
- ...Inflammation
- ...Ambient room temperatures, with no contact at all!



Thermofucus® is a Class IIa medical device
Clinically tested - FDA approved
ASTM Standard (E1965-98) compliant

How it works

Thermofucus® enables the body temperatures of adults and children to be taken without touching the skin. The subject's infrared emissions are recorded and processed with other information such as the ambient air temperature to finally display either a corresponding oral or rectal reading.

Taking a body temperature reading

The unit has a protective hinged lid which protects the gold guide wave. This is a gold plated mirror which records the infrared emissions from the subject whose temperature you wish to measure.

In order to provide accurate readings the ThermoFocus® needs to be calibrated to the ambient room temperature. This can be done either automatically or manually. The unit will automatically calibrate to a room's ambient temperature within a few minutes. Alternatively a manual calibration can be done prior to checking the subject.

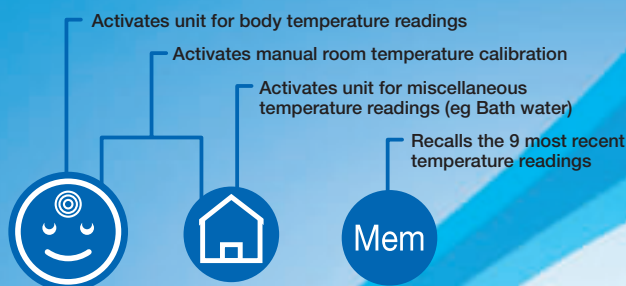
In order to take your subject's temperature the protective hinged lid must be removed to expose the gold guide wave.

On depressing the smiley face button, the unit will emit two guide lights out the front. These guide lights are set to intersect and become one light at a specific distance from the subject's skin surface. This is the distance that the unit takes accurate measurements.

Once the two light spots intersect the smiley face button can be released. The lights will flash indicating a reading has been taken. Each measurement entails, ThermoFocus® taking a sequence of 125 readings every hundredth of a second, which are amplified and computed, by its sophisticated micro-processor, together with the value of the ambient room temperature, until the correct temperature of the subject is shown on the display.

By depressing the house button and following a similar procedure, temperature measurements of virtually anything may be recorded.

Distributed by:



Technical data

Power supply	4 x 1.5V, AAA alkaline batteries
Dimensions	22 x 40 x 165 mm
Weight	92 grams (batteries included)
Distance of measurement	± 30 mm
Display (wide & visible)	Black LCD screen
Approximate life span	10 000 readings or 3 years
Storage	Between 16 - 40 °C

Technical characteristics

Body Temperature in Medical use

Forehead measuring range	34.0 - 42.5 °C
Ambient temperature working range	16 - 40 °C
Precision (measurement increments)	0.1 °C
Accuracy from 36 - 39 °C	± 0.2 °C

Other measurements/uses

Measuring range	1.0 - 55.0 °C
Ambient temperature working range	16 - 40 °C
Precision (measurement increments)	0.1 °C
Accuracy from 1.0 - 19.9 °C	± 1.0 °C
Accuracy from 20.0 - 33.9 °C	± 0.3 °C
Accuracy from 34.0 - 35.9 °C	± 0.3 °C
Accuracy from 39.1 - 42.5 °C	± 1.0 °C
Accuracy from 42.6 - 55.0 °C	± 1.0 °C