

**TECHNICAL
HANDBOOK**

BABY THERMAL SCANNER



Totem with contact-less thermometer designed for measuring body temperature and based on the infrared radiation emissions of the human body due to its heat. The system is designed for places frequented by children (kindergartens and elementary schools, playrooms). The attractive graphics are designed to play down the current situation related to the Covid-pandemic 19. The self-propelled proboscis allows the measurement to be adapted to children of different heights. The totem is made to stay on 24h on 24h for 365 days.

Available in 2 versions measure the temperature at different age groups of children (pre-school or school age respectively).

Available in other versions and designs for different needs. Customizable design. It can be equipped with a ladybug-shaped electronic dispenser.

Technical characteristics of thermal scanners

Measuring range	Body temperature (35 - 42°C)
Operating temperature	10 – 35 °C
Operating humidity	< 85%
Power supply	5V from fixed network with transformer
Absorption	<5W
Accuracy	Medical
Measure distance	About 15cm

Mechanical characteristics

Small version	140x100cm
Big version	100x85cm



Store in a cool dry place



Preserve away from the light



Disposal RAEE



Product

Considerations and warnings:

- Read all the instructions before using this product.
- To obtain very accurate results, perform the detection at an ambient temperature between 10 and 35°C.
- Be sure the skin is dry and the hair and the glasses don't interfere with the detection.
- Don't dip the device into the water.
- Try not to touch or/and scratch infrared sensor lenses.
- Always use a clinic thermometer in order to verify any abnormal temperature measurement.
- Carefully clean the lens area using a swab to clean the lenses (for example a Q-tip that can be moistened with disinfectant, alcohol). Do not use solvents to clean lenses.
- If the device has been stored in a hot or cold environment, wait at least 30 minutes for it to be acclimatised to room temperature before taking measurements.
- Always switch off the device using the following procedure.

Description of the device

Frontal

1. IR temperature sensor
2. Self-propelled proboscis
3. LED crown
4. Dispencer (optional)

Posterior

1. Control unit
2. Control panel
3. LCD screen

Control panel and screen

The control panel is placed on the junction box where the control unit of the system is located. The control panel is used to realize the functions of power off system and calibration of the measurement sensor (see image below).

The screen is also placed at the rear with the aim of showing the measured temperature and without disturbing the sensitivity of the child.



DIRECTIONS FOR USE

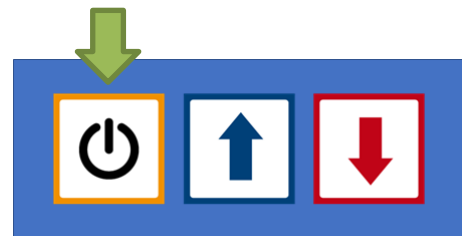
First use

In case the device is at the first use or when it is attached to the socket, the device will turn on automatically. Wait for the LED crown to stabilize to the yellow color and the system is ready for measurement.

Device switch-off

The device can be turned on continuously with a limited consumption (on average works at a power of 3W). To turn off the system it is necessary to always follow the procedure:

1. Press and hold the on/off button for at least 3 seconds and release.
2. The LCD screen will display the message "Goodbye...".
3. When the lettering will disappear from the screen, wait for a minute, and then you can unplug.



ATTENTION: IT IS RECOMMENDED NOT TO TURN OFF THE DEVICE

Attention: Do not unplug before you have done the shutdown procedure. Use not in accordance with the procedure may cause the device to break.

Device switch-on

Press and release the on/off button to turn on. Wait for the LED crown to stabilize to the yellow color and the system is ready for measurement.



Body temperature measuring

Place the forehead in front of the sensor by moving the trunk, so that it is at a distance of 15cm. The system will automatically detect the presence of the person and start to measure the temperature. All this will be indicated by the shutdown of the LED crown (usually yellow). When the measurement is completed, the led crown will turn green (if the temperature is correct) or red if the temperature is above the threshold of 37.5 C. An acoustic signal will warn if the temperature is above the above threshold. The LCD screen will guide the operations and eventually show the temperature.

ATTENTION

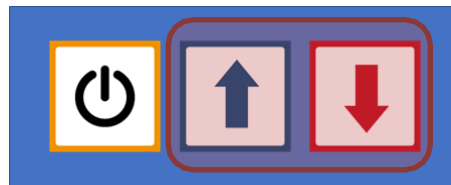
- Temperature can be affected by multiple external factors; variations between measurements are to be considered in the norm: wait a few minutes between measurements.
- It is recommended that you stay in the same environment for at least 5 minutes before detecting body temperature.
- The surface of the skin on which the measurement is made shall be clean and dry.
- The surface of the skin on which the measurement is made must be free of cosmetics or creams.
- Do not bathe or exercise before a measurement.
- If the temperature of the surrounding environment is less than 10 °C or more than 35 °C, it is better not to perform the measurement since accuracy is not guaranteed.
- Measurements through transparent surfaces, such as glass, could not be accurate.
- Steam, dust, smoke, etc. may obscure measurements.
- The device automatically compensates for room temperature deviations. However, it may take up to 30 minutes for the device to adapt to very extreme changes.

Calibration

In order to obtain stable and repeatable measurement results, the instrument is equipped with a correction function executable by the user in the manner described below.

ATTENTION: carry out the calibration operation only if the measurement differs much from the expected values.

1. Measure the temperature of a subject using a conventional thermometer. Measure with the thermoscanner. Calculate the difference in measurements.
2. Turn off and on the scanner.
3. When the device is switched on, press the 2 buttons indicated on the image.
4. "Configuring ..." will appear on the LCD screen.
5. Release the buttons only when it appears on the LCD screen "Release..."
6. Raise or lower the presented value (which represents the calibration offset of the system) by the same value calculated in point 1.
7. Wait 5 seconds and the system will be configured (the configuration will be saved permanently).



Use the button up arrow to raise the value and down arrow to lower it.

ATTENTION - Lower the value if the temperature measured by the thermoscanner is higher than that measured by the conventional thermometer, and vice versa.

Disposal



The product mustn't be disposed together with other household waste. Users must to dispose of the equipment to be scrapped by bringing it to the place of collection indicated for the recycling of electrical and electronic equipment. For more information on collection sites, contact your local municipality or local waste disposal service. In the event of incorrect disposal, penalties could be applied according to the national law.

OPTIONAL DISPENSER COCCINELLA



- Open the lid by inserting the appropriate key on the top of the dispenser
- Insert 4 style batteries on the right compartment of the dispenser (remove by pressing the tabs at the end)
- Remove the dispenser tank and place the sanitizing gel (do not fill the tank in half but fill it for 1/4 in such a way as to do more topping but allow longer life to the dispenser nozzle.
- If the dispenser remains stationary for a long time, clean the tank and nozzle completely and avoid drying the gel
 - Press and hold the ON button on the right (next to the battery compartment) to switch on the dispenser
- Press 1, 2, 3 times the keypad to adjust the amount of gel output (1 minimum amount, 3 maximum amount)