INFRARED THERMOMETERS

Speed, hygiene and measurement comfort
General presentation

**Description**
The infrared thermometer consists of an infrared probe and display, and is powered by an internal energy source. Its operation is to determine the body temperature of a subject by thermal radiation from the ear canal and/or the tympanic membrane, or by the surface of the skin. Within seconds, the device captures the infrared emission and displays the recorded temperature.

**Classification**
Infrared thermometers are measuring instruments to take the body temperature. They are to be considered as “invasive medical devices (ear thermometer) or non-invasive (forehead or non-contact thermometers) for temporary use that have their own energy source” in other words “active”. They belong to the class IIa.

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**EasyTemp®**
Non-contact model

Non-contact Infrared Thermometer, for professional or private usage, displays the temperature in one second, no probe-cover required, measurement range 32.2 °C to 43.3 °C, metrology accuracy ± 0.2 °C, large LCD screen, alarm beep, recalling memories, battery life of approximately 1000 measures.

**Product code** 089000

**Packaging**
In cardboard box with instructions manual, Storage pouch, Cartons of 12 pieces

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**Inframinix®**
Ear model

Infrared ear thermometer for professional or private use, temperature display in a few seconds, use without tip, measurement range 32.2°C to 43.3°C, measuring accuracy ± 0.2°C, automatic self-test, pivoting probe for ambidextrous use, wide LCD display, alarm beep, recalling memories, battery life of around 5000 measurements.

**Product code** 087001

**Packaging**
In rigid box with instructions manual, Cardboard box, Exhibitor of 6 pieces

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**Frontalix®**
Forehead model

Infrared forehead thermometer for professional or private use, temperature display in a few seconds, use without tip, measurement range 32.2°C to 43.3°C, measuring accuracy ± 0.2°C, automatic self-test, wide LCD display, alarm beep, recalling memories, battery life of around 5000 measurements.

**Product code** 088000

**Packaging**
In cardboard box with instructions manual, Storage pouch, Exhibitor of 6 pieces
Composition (materials)

**EasyTemp® thermometer**
ABS, ABS+TPR (for the thermometer body), Silicone (for the switch button), Acrylic (for the digital screen).

**Inframinix® thermometer**
ABS (for the thermometer body and the switch buttons), Acrylic (for the digital screen), Silicone (for the pivoting probe).

**Frontalix® thermometer**
ABS, ABS+TPR (for the thermometer body and the switch button), Acrylic (for the digital screen).

_N.B._ - Do not contain latex, and no animal derivatives.

Manufacturing process (summary)

Technical specifications

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<thead>
<tr>
<th>Criteria</th>
<th>Standards</th>
<th>Results EasyTemp®, Inframinix®, Frontalix®</th>
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<tbody>
<tr>
<td>MEASUREMENT RANGE</td>
<td>EN 12470-5</td>
<td>32.2 °C to 43.3 °C for our infrared thermometers</td>
</tr>
<tr>
<td>(35.5 °C to 42 °C minimum standard requirement)</td>
<td></td>
<td>(35.5 °C to 42 °C minimum standard requirement)</td>
</tr>
<tr>
<td>INCREMENT NUMBER</td>
<td>EN 12470-5</td>
<td>0.1 °C</td>
</tr>
<tr>
<td>MAXIMUM TOLERATED ERROR IN THE ENVIRONMENTAL OPERATING RANGE AND TOLERATED CLINICAL REPEATABILITY</td>
<td>EN 12470-5</td>
<td>± 0.2 °C (4 measuring points controlled)</td>
</tr>
<tr>
<td>ENVIROMENTAL OPERATING CONDITIONS AND EFFECTS OF STORAGE AND LONG TERM STABILITY</td>
<td>EN 12470-5</td>
<td>Complies</td>
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<tr>
<td>ELECTROMAGNETIC COMPATIBILITY</td>
<td>EN 60601-1-2</td>
<td>Complies</td>
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<td>GENERAL SAFETY REQUIREMENTS</td>
<td>EN 60601-1</td>
<td>Complies</td>
</tr>
<tr>
<td>MECHANICAL SHOCK, DISPLAY, WARNING SIGNALS, CHANGES IN SUPPLY VOLTAGE, MODES, MATERIALS, MECHANICAL, CLEANING, DISINFECTION, PROBE COVER, SAFETY TEST RUN, TEST METHODS, USAGE INSTRUCTIONS</td>
<td>EN 12470-5</td>
<td>Complies (or non-applicable depending on cases)</td>
</tr>
<tr>
<td>WARRANTY PERIOD</td>
<td></td>
<td>2 years (Inframinix and Frontalix), 1 year (EasyTemp)</td>
</tr>
<tr>
<td>MANUFACTURING PLACE</td>
<td></td>
<td>China</td>
</tr>
</tbody>
</table>

_N.B._ - The EN 12470-5 regulatory standard specifies the metrological and technical requirements for medical ear thermometers with maximum device for intermittent evaluation of the human body temperature. It is applicable to devices that, when measuring temperatures, are powered by a power source either internal or mains, and which provide an indication of the human body temperature by measuring the thermal radiation of all or part of the ear canal. The devices exclusively designed to measure the temperature of the tympanic membrane are also covered by this standard. We chose to apply the requirements of this regulatory standard to all of our infrared thermometers.
PACKAGING AND MARKING

Carton and exhibitor

- Carton of 12 thermometers for the non-contact model
- Exhibitor of 6 thermometers for the ear and forehead models
- Model identification by references, descriptions, colours
- Traceability by batch number and manufacturing date
- Average weight 2.55 kg for the carton of non-contact model, 0.9 kg for the exhibitor of ear model, and 0.6 kg for the exhibitor of forehead model
- Recyclable material

Box and user manual

- Unitary cardboard box
- Detailed user manual with instructions for use and storage
- Protective plastic case (ear model) or storage pouch (non-contact and forehead models)
- Model identification by complete identification
- Traceability by batch number and manufacturing date
- Symbols according to regulatory standards

Consult instructions before use.

Recyclable packaging.

Warning and Disclaimer.

BF type equipment.

Sorted Garbage bin.