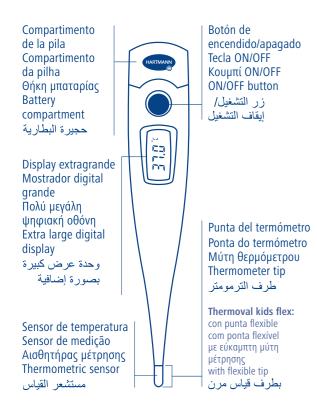
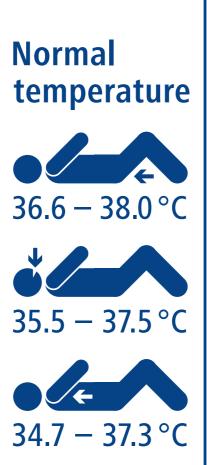
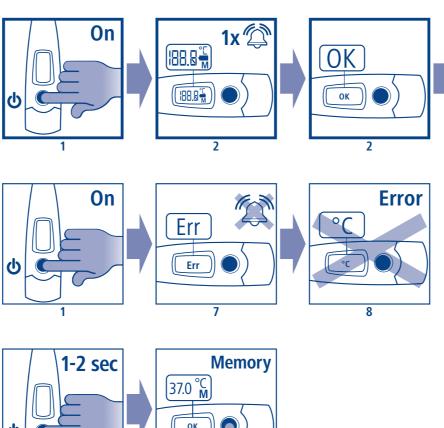
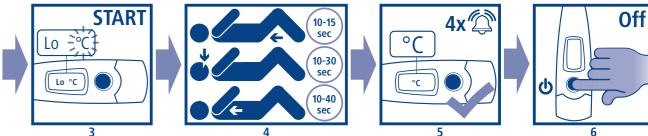
Thermoval® rapid/kids/kids flex











Explanation of pictograms

- To switch on
- Automatic system check
- The thermometer is ready for use
- Measurement time at the respective site
- 5 Signal tone beeps 4 times: successful measurement
- 6 To switch off
- 7 Display shows «Err», no beep signal:

system error

- 8 Invalid measurement
- 9 Press and hold the ON/OFF button
 10 The memory display is visible as long as the ON/Off button is held down







English

Congratulations on your purchase of this HARTMANN product.

Explanation of symbols

battery is empty for errors, misreadings Lo °C: temperature under 32 °C HI°C: temperature over 43,9°C

for memory, display of last temperature

reading



Observation of the operating instructions



Protection against electric shock (type B)



Disposal note



Methods of measuring temperature In the rectum (rectal)

This is by far the most accurate method from a medical point of view, because it comes closest to the core body temperature. The thermometer tip is inserted carefully into the rectum to a maximum of 2 cm. The usual measurement time is approximately 10 to 15 seconds.

Under the arm (axillary)

Placing the thermometer in the armpit provides a measurement of surface temperature that can fluctuate by around 0.5 °C to 1.5 °C from rectal temperature readings in adults. The usual measurement time is approximately 10 to 40 seconds. It should be noted, however, that an exact reading cannot be obtained if, for example, the armpits have been allowed to cool. If this is the case, we recommend extending the measurement time to 5 minutes in order to obtain the most precise possible reading.

In the mouth (oral)

There are different heat zones in the mouth. As a general rule, the oral temperature is 0.3 °C to 0.8 °C lower than the rectal temperature. To ensure that the reading is as accurate as possible, place the thermometer tip under the tongue to the left or right of the root of the tongue. The sensor must have constant contact with the tissue during the reading and be placed under the tongue in one of the two heat pockets at the back. Keep the mouth closed during the reading and breathe evenly through the nose. Do not eat or drink anything before the measurement. The usual measurement time is approximately 10 to 30 seconds.

Note:

However, please note that Thermoval rapid/ kids/kids flex is a maximum thermometer, i.e. the displayed temperature can increase slightly if measurement continues after the beeps. We strongly recommend the rectal method as the most accurate method for identifying the basal temperature, and advise you to extend the measuring time by 3 minutes after the beeps have sounded.

Cleaning and disinfection

The best way to clean the thermometer tip is by applying disinfectant (e.g. 70 % ethyl alcohol) with a damp cloth. Thermoval rapid/kids/kids flex is guaranteed waterproof and can therefore be immersed in liquid or lukewarm water for thorough cleaning and disinfection.

Safety precautions ■ Do not allow the device to come into contact with hot water.

■ Do not drop the thermometer. It is neither

■ Do not expose to high temperatures or direct

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 with water or disinfectants. Do not soak the thermometer in liquid for longer than 30 minutes.

Battery replacement

The battery is empty and needs replacing when the symbol "appears on the bottom right of the digital display. Remove the battery cover and replace it with a battery (preferably non-mercury) of the same type. Please note: the + sign on the battery must point downwards. Close the battery compartment, making sure that the catch clicks into place.

Product disposal

Electronic products must not be mixed with ordinary household waste. Hand them in to the appropriate collection centres for proper processing and recycling. For disposing of used batteries, please observe the national valid disposal regulations.

Technical data

Type: Maximum therm Measurement range: 32 °C to 43.9 °C Accuracy:

Maximum thermometer +/- 0.1 °C for the entire measurement range 3-digit LCD display, (display unit 0.1 °C)

Storage/ transportation temperature:

Display:

-25 °C to + 55 °C at a humidity of 15-95%

Amhient temperature

during use:

Battery type:

Weight:

10 °C to 45 °C at a humidity of 15-95% Alkaline-manganese battery, type LR 41, 1.55 V, battery life minimum 4,000 readings Approx. 15 g incl. battery PÀUL HARTMANN AG, Paul-Hartmann-Straße 89522 Heidenheim, Germany



Legal requirements and guidelines

Thermoval rapid/kids/kids flex complies with the Medical Devices Directive 93/42/EEC and carries the CE mark. The device also complies with the specifications of the European Norm for Medical Thermometers DIN EN 12470-3: 2000 + A1: 2009 Medical Thermometers - Part 3: Electrical (extrapolate and non-extrapolate) compact thermometers with maximum appliance.

DIN EN 60601-1 Medical Electrical Devices -General requirements for safety, DIN EN 60601-1-2 General requirements for safety - Collateral standard. Electromagnetic compatibility (EMC).

ELECTRICAL MEDICAL DEVICES require special precautionary measures with regard to electromagnetic compatibility(EMC). The use of this device in the vicinity of portable mobile high-frequency communication devices or other devices with strong electromagnetic fields can adversely affect its operation.

The CE certification confirms that this is a medical device with a measuring function in the sense of the Medical Devices Act (Medizinproduktegesetz), which has undergone a conformity assessment procedure. A "Notified Body" (TÜV Produkt Service GmbH) confirms that this product fulfils all the appropriate statutory regulations.

Calibration check

We recommend a calibration check at intervals of two years in the case of professionally used

devices, for example in pharmacies, medical practices or hospitals. You should also observe the national regulations determined by the legislator, such as, in Germany, the "Medizinprodukte-Betreiberverordnung" (Medical Device Operating Regulation).

Warranty

This high quality product is covered by a 3-year warranty from the date of purchase, subject to the conditions listed below. Claims must be presented with proof of purchase within the warranty period. This product has been manufactured with the greatest care in accordance with international quality quidelines. Should you still have cause for complaint, please send the instrument, together with proof of purchase, to the service address below. Batteries are excluded from the warranty. The warranty does not cover damage resulting from improper use or unauthorised operation. Claims for compensation are limited to the value of the merchandise; compensation for subsequent damage or injury is not covered.

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