



cyclotest[®] baby

Gebrauchsanleitung

DE-2 - DE 43

Instructions for use
EN-44 - EN-85

Mode d'emploi
FR-86 - FR-127

Istruzioni per l'uso
IT-128 - IT-169



UEBE
Germany

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Thank you for choosing cyclotest® baby (also referred to in the following as the unit).

With cyclotest® baby you have acquired a modern unit for determining the most important phases in your cycle. Simple, fully automatic measurement of wake-up temperature enables you to pinpoint your fertile and infertile days. This eliminates completely the need to keep manual records.

Mode of operation

The unit is designed to measure the basal body temperature of women of child-bearing age and to determine the infertile, fertile and highly fertile phases in a woman's cycle. It is equipped with electronic circuitry for detecting, conditioning and evaluating basal body temperature, start of cycle and optionally LH hormone or cervical mucus input.

The maximum temperature determined using the sensor is automatically stored. The minicomputer in the unit calculates the fertile and infertile days from the acquired data. The respective phase within the cycle is displayed in the display.

Safety instructions

Optimum functioning of your cyclotest® baby cannot be guaranteed if you fail to observe the following safety instructions. Please read through the entire instructions for use carefully before using the unit. Follow the described procedure when using the unit on a daily basis.

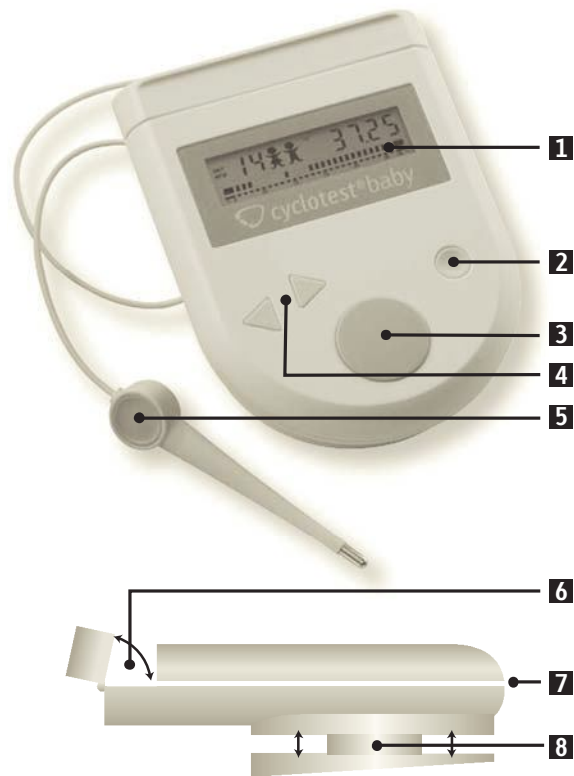
- Check that the sensor is undamaged prior to measurement. Depending on where you use the sensor for measurement, a damaged sensor could cause unintentional injury.
- While cyclotest® baby still “knows” too little about you, i.e. has still not stored a sufficient amount of cycle values, a longer fertile phase will be displayed. The fertile phase prior to ovulation can be pinpointed more precisely only when at least six cycles have been stored.
- cyclotest® baby has a waking function: Once you have been discreetly woken by the unit, bring the unit into bed with you, place the sensor under your tongue, press the large Measurement button and wait until the unit beeps – done. All without having to get out of bed!
- Using the unit in the immediate vicinity of mobile phones or microwave appliances may result in impaired functioning. Use and store the unit outside such an environment. Mobile phones should, depending on their transmitting power, be kept at a distance of at least 1 m from cyclotest® baby while the unit is in use.
- Do not under any circumstances open or modify the unit. This is a medical product.

Safety instructions

- Please comply with the specified ambient conditions for measurement. See Technical data, Page 75.
- These instructions are intended to help the user to use cyclotest® baby safely and efficiently and must be kept with the product and if necessary passed on.
- The unit must be used in accordance with the procedures contained in these instructions and must not be used for other purposes.
- cyclotest® baby is a diagnostic unit for determining the fertile and infertile days in a woman's cycle and should not be used as a substitute for contraception methods (e.g. condom). During the fertile phase you should, if you do not want to get pregnant, use the contraception method of your choice.
- The simultaneous use of cyclotest® baby and the pill is pointless. The pill is a contraceptive and renders the use of cyclotest® baby superfluous.
- You are advised not to use the unit during irregular work and sleep periods (e.g. shift work) and in changeable cycles (e.g. puberty, illness, cycle lengths over 45 days).
- It is essential to ensure correct functioning of cyclotest® baby that you perform the morning measurements of wake-up temperature before getting up. You should have slept for at least 5 hours and in the last hour prior to measurement you should not have got up.

Operating the unit

Unit description



EN-48

Operating the unit

1 Display

For displaying all the important data

2 Cycle Start button

Press once per cycle

3 Measurement button

For recording the wake-up temperature

4 Arrow buttons

For turning on the display and displaying
- the current cycle (right arrow)
- the previous cycles (left arrow)

5 Sensor

Highly sensitive with 1-metre cable – detects even minimal temperature fluctuations

6 Sensor compartment

Can be opened, for housing the sensor

7 USB port

For connecting to a PC

8 Cable reel

On the underside of the unit (pull to open)

Operating the unit

Initial operation of the unit

Press the small round Start button during initial operation to start the cycle and to start each subsequent new series of cycle measurements.

You enter the start of the cycle with the Start button. This should be done if possible on the first day of your menstruation. Press the Start button firmly and hold down until the input is confirmed with a beep.

You can enter the start of the cycle independently of a measurement, i.e. also in the afternoon or the evening.

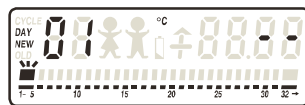


Fig. no. 1
Your display looks like this if the input has been successful.

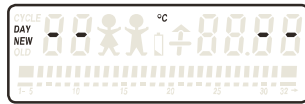


Fig. no. 2
If your display looks like this, the input has not been made.

In this case, wait until the unit has switched itself off and then repeat the input. Important: press the Cycle Start button firmly and for a sustained period.

Note: cyclotest® baby cannot store any measurement results if the start has not been input.

Operating the unit

What should you do if cyclotest® baby was not to hand on the first day of menstruation or you forgot to make the input?

Press the small round Cycle Start button again firmly and for a sustained period. At the same time press the right Arrow button repeatedly until your current cycle day appears in the display (e.g. DAY NEW 02). Keep the Start button pressed until the input is confirmed with a beep. Your display should now look like this:

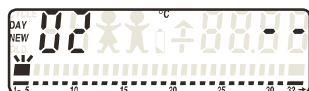


Fig. no. 3

Important: After a new cycle start you can no longer print out the last fertility profile.

How to measure your wake-up temperature

Once the cycle start has been successfully input, you can take your temperature measurements. Begin the morning after before getting up.

Note: At least 5 hours sleep needed prior to measurement. The measurement must be taken before you get up.

The sensor is located at the top in the sensor compartment. Pull the round cable reel on the back of the unit to extend the length of the cable sensor as required by uncoiling. This enables you to take your measurement comfortably while lying down. Then close the reel again.

Operating the unit

You can take the measurement orally, rectally or vaginally, but you should then stick to the point of measurement you have chosen. Measuring under the arm (axillary) produces inaccurate results. It is therefore unsuitable for taking accurate measurements.

We recommend that you take the measurement under your tongue with your mouth closed. Place the sensor tip in one of the two heat pockets under your tongue to the left or right of the root of the tongue. The sensor must make good contact with the tissue. Close your mouth and breathe easily through your nose so that the measurement result is not compromised by inhaled air.

When the sensor tip is resting steadily and comfortably, press the large red Measurement button briefly.

The unit confirms successful measurement (duration of measurement approx. 60-90 seconds) with a long beep and indicates the measured temperature in the display at top right. The unit switches off automatically after approx. 1 minute. Your measured value has been automatically stored.

The time of your first measurement remains stored in cyclotest® baby for all further measurements during a cycle. If, for example, you measured at 7 o'clock in the morning, you will be reminded of this the next morning with six short beeps. If you did not hear the first wake-up sound, you will be reminded two times more: after 10 and 30 minutes. We therefore recommend that you choose the time of your first measurement to match your daily rhythm.

Operating the unit

cyclotest® baby has a time window of four hours and can store your measurements even if you measure up to two hours before or two hours after the time initially established. If you measure outside these four hours, the measurement is not stored and the following display appears:

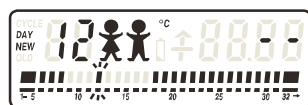


Fig. no. 4

Please be patient during the measurement. The sensor must warm up first (from room temperature to body temperature).

If you break off the measurement too early, the unit will alert you with 3 short beeps that it was unable to store a measurement result because the warm-up phase was not completed. In this case, please measure again and remove the sensor only when you have heard a long beep. cyclotest® baby takes care of everything else in the background.

Operating the unit

How to read your display

You can call up and view stored information in the display with the right Arrow button.

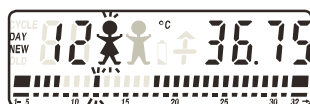


Fig. no. 5
Display example

This is how you read the display:



Current cycle



Your 12th day in the current cycle (also indicated by a flashing bar on the time axis)



You are in your fertile phase



On your 12th cycle day your measured wake-up temperature was 36.75 °C

Proceed as in the first cycle when inputting a new cycle start and during the measurements.

cyclotest® baby has “learned” a few things using your inputs and measurements in relation to the first cycle.

The expected end of the fertile phase in the current cycle is indicated – similarly to the previous cycle – in the display on the time axis.

Operating the unit

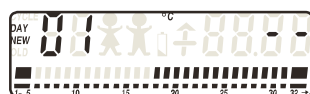


Fig. no. 6
A display looks like this after the start of the 2nd cycle

The expected infertile phase after ovulation begins on the 18th cycle day: The bar chart for the time axis in this example begins at 18.

cyclotest® baby can now display the highly fertile phase (2 permanent babies, Fig. no. 15). In this phase, we recommend, if you want to have a baby, in addition to interpreting the temperature responses that you observe and input body symptoms.

Check displays

Note: The displays on the following pages are to be viewed as display examples.



Fig. no. 7
The unit performs a function test after start-up, all the display elements are shown.

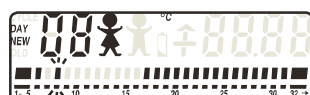


Fig. no. 8
DAY NEW: You are in your current cycle.

Operating the unit

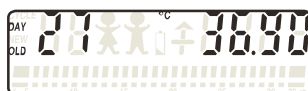


Fig. no. 9
DAY OLD: When scrolling back, you have called up the measurement result of the 27th day of your previous cycle. Your current cycle measurement is not impaired by this.

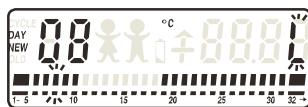


Fig. no. 10
L [Low]: Indicates that your wake-up temperature is below your normal average temperature. A flashing "L" during the measurements indicates that the sensor is in its warm-up phase.

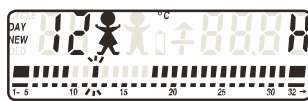


Fig. no. 11
H [High]: Indicates that your wake-up temperature is unusually high (e.g. fever).

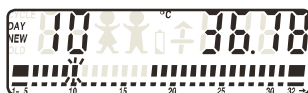


Fig. no. 12
10th cycle day, no "babies" mean infertile phase.

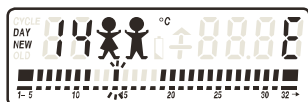


Fig. no. 13
E [Error]: Repeat the measurement if this letter is displayed.

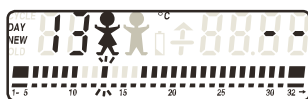


Fig. no. 14
"Baby": Alternately flashing "babies" mean "fertile phase".

Operating the unit

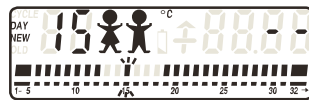


Fig. no. 15
“Babies”: Two “babies” simultaneously mean “highly fertile phase”.

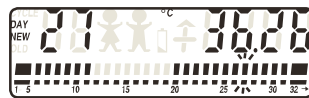


Fig. no. 16
°C: Indicates the measured wake-up temperature accurately in degrees Celsius to 2 decimal places.

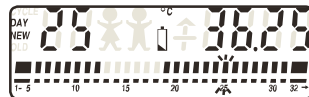


Fig. no. 17
“Battery”: These displays appear during the measurement or when the data are called up if the battery power is low and the battery has to be replaced by UEBE Customer Service.



Fig. no. 18

Ovulation symptoms

What symptoms can be observed or verified in connection with imminent ovulation?

- Temperature rise
- Change in cervical mucus
- Increase in LH concentration in the urine

The temperature rise is monitored and evaluated by cyclotest® baby. The unit is able to store further symptoms which you input. This combined evaluation of temperature and symptom information is known as the symptothermal method.

Operating the unit

How important is the symptothermal method when you want to have a baby?

For couples who want to have a baby the time of the greatest capability of conception is important. The chance of pregnancy exists only when sperm cells capable of fertilising find a fertilisable egg cell.

The symptoms mentioned – nature of cervical mucus and increase in LH concentration – point to a fertilisable egg cell. Your fertilisability ends when the temperature high stabilises after ovulation.

In this event, no babies are indicated in the cyclotest® baby display.

Change in cervical mucus

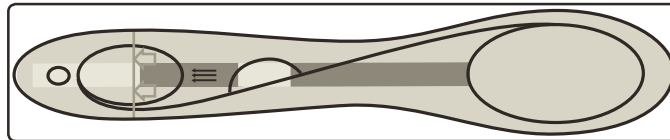
The nature of the cervical mucus at the neck of the uterus changes shortly prior to ovulation. When this change is detected (spinnbarkeit – stretchability), the corresponding day must be marked in the current cycle.

A certain amount of experience is required to assess the cervical mucus. NFP advice centres (NFP = Natural Family Planning) can offer the necessary help in this respect. We will be pleased to send you a list of selected advice centres on request.

Operating the unit

Increase in LH concentration in the urine

An increased concentration of the ovulation hormone LH in the urine indicates that ovulation is imminent. This can be verified using cyclotest® Ovulation Test. If the test proves positive, enter the result on the corresponding day in the current cycle information.



Please use the test sticks only if you see 2 babies in the display (Fig. no. 15). cyclotest® Ovulation Test is available from all good pharmacists. [item no. 9030, PZN 4608336]

How do you proceed when inputting LH or cervical mucus information?

Note: The input stands either for cervical mucus or for LH concentration and must be made on the same day of the event.

1. Press and hold down the small round Start button. "01" appears.
2. Then press the Measurement button until "CY" appears in the display

Please note: If you hold down the Start button for too long, a new cycle will be started.

Operating the unit

- Now release the Start button and keep the Measurement button pressed until the input is confirmed with a beep.



Fig. no. 19
Your display now looks like this.

It is only possible to input LH or cervical mucus information on the middle days of a cycle.

Data recall

cyclotest® baby stores detailed data for the current and the previous cycles as well as cycle summaries of the last 12 cycles.

Recall of detailed data in the current and previous cycles (unit is switched off):

Briefly press the right Arrow button once. The current cycle day appears:

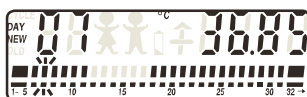


Fig. no. 20

Press the left Arrow button repeatedly. The previous days appear. You can scroll back in the current and previous cycles to the respective cycle start.

Operating the unit

Display examples:

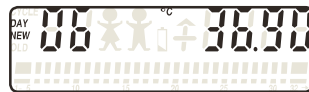


Fig. no. 21
DAY NEW: current cycle

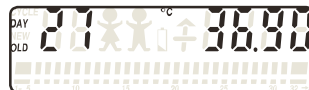


Fig. no. 22
DAY OLD: previous cycle

Recall of cycle summaries for previous cycles (unit is switched off or on the current cycle day):

Briefly press the right Arrow button twice. The following appears:

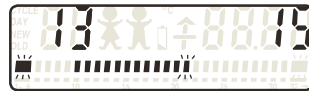


Fig. no. 23

This is how you read the overview:

- The digits on the left and right refer to the flashing cycle.
- Left digit: day of CY input if corresponding information was input
- Right digit: day of temperature high if a temperature high was detected

Operating the unit

Press and hold down the large Measurement button: the temperature high is replaced by a display of the cycle length.

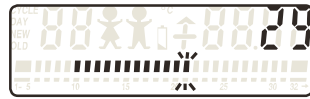


Fig. no. 24

Press the left or right Arrow button. The flashing bar in the bar chart moves and shows you which cycle you are in at the moment (right: current cycle, left = oldest stored cycle). 12 cycles can be stored.

Additional informationen on handling cyclotest® baby

Pinpointing the highly fertile phase through the combined interpretation of temperature and hormone information has already helped many couples in fulfilling their wish to have a baby. The symptothermal method has had successful results even in cases that seem hopeless.

Interpretation of hormone information

cyclotest® baby makes no distinction between whether you are observing the LH concentration or cervical mucus. You can only input one of the two. We recommend that you use cyclotest® Ovulation Test if you want to have a baby.

Operating the unit

Fertility profile

Where your gynaecologist in the past recommended that you kept a menstruation calendar, he/she today can analyse your cyclotest® baby fertility profile.

Your cyclotest® baby offers you this service:

- Display of all the information stored in the unit
- Simple transfer by telephone
- Evaluation of the data on a PC

And this is how it's done:

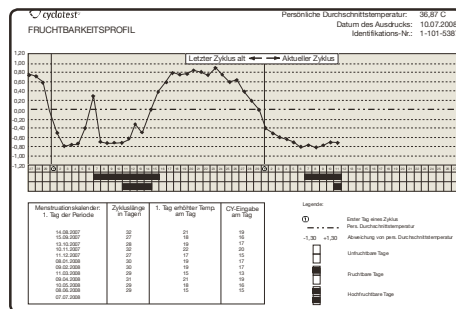
Transfer by telephone

Our data line is available on our Service number +49 9342 – 92 40 41. After dialling this number, you will be asked to speak your name, address and the serial number of your unit to record them on the answering machine. Then press the large round Measurement button until "PHO" appears in the display. Then put the opened cable reel up to the telephone mouthpiece. You will hear a whistling sound during the transfer.

It takes roughly 30 seconds for the data to be transferred. You can replace the receiver when the whistling sound stops. We will send you immediately your printed-out fertility profile together with an invoice for 10 euros.

Note: Do not use a mobile phone to transfer the data, as reception via mobile networks is susceptible to interference.

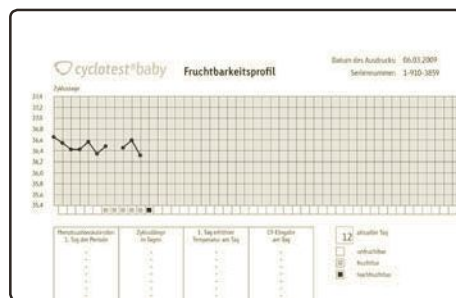
Operating the unit



Evaluation of the data on a PC

With the integrated USB port it is possible to read out the data of the current cycle from the unit and create your fertility profile as a PDF document.

Note: Once a new cycle start has been input, it is no longer possible to create a fertility profile from the previous cycle.



Operating the unit

You can print, save or mail these PDF documents.

To ensure that communication functions between cyclotest baby and the PC, you must install the drivers for the USB port and the cyclotest program. You can also download detailed installation instructions from www.cyclotest.com.

Installing the USB drivers for cyclotest® baby

Supported operating systems: Windows Server 2008, Windows Server 2008 x64, Windows Vista, Windows Vista x64, Windows XP, Windows XP x64, Windows 2000, Windows Server 2003, Windows Server 2003 x64, Windows 98, Windows ME, Windows 7, Windows 7 x64

Before you can read out the data from the cyclotest® baby unit, you must first install the drivers for the USB port.

Important! Connect the supplied USB cable first to the PC and only then to the cyclotest® baby unit.

Press – after you have attached the cable – the large round Measurement button and at the same time the small round Cycle Start button for approx. 3 seconds until “USB” appears in the display.

Operating the unit



Please select the last selection option “Nein, diesmal nicht” and click on “Weiter”.



Insert the supplied cyclotest® CD in your PC's CD-ROM drive and click on “Weiter”. The driver is installed automatically from the inserted CD.



Complete the installation in the final window with “Fertig stellen”.



Then this window appears again. Please select the last selection option “Nein, diesmal nicht” and click on “Weiter”.

Operating the unit



In the next window click on “Weiter”. The driver is then installed automatically from the inserted CD.



Complete the installation in the final window with “Fertig stellen”.

This installation procedure may differ, depending on the operating system used.

You have successfully installed the driver for the USB port of your cyclotest® baby and can now install the cyclotest® baby software.

Help for problems encountered during the installation can be found on our homepage at www.cyclotest.de. Alternatively, call the cyclotest® service hotline on +49 9342 / 92 40 40.

Operating the unit

Installing the cyclotest® baby software

You will need a PDF Reader to display the data on your PC. A free version of Acrobat Reader is included on the cyclotest® CD. You can also download the PDF Reader from www.cyclotest.com.

Insert the cyclotest® baby software in your CD or DVD drive. The Auto-run function starts the Setup program automatically. If this does not happen, please start the Setup program manually via Windows Explorer. Double-click on [Drive]:\setup.exe – [Drive] here stands for the letter of your CD/DVD drive.

First the terms and conditions of use of the .NET Framework 2.0 used appear; please confirm these with “Ich stimme zu“. This brings up the message that .NET Framework 2.0 is being installed:



The installation may take a few minutes, depending on the hardware configuration.

Then the instruction to install the cyclotest® baby software appears; please confirm this with “installieren“.

Then the program starts and you can connect cyclotest® baby to the PC.

Operating the unit

By installing, copying or otherwise using this software you acknowledge the limitations of liability set out below.

UEBE Medical GmbH and its suppliers refuse - to the greatest possible extent permitted by the applicable law - all liability for any specific, accidental, indirect or consequential damage (including but not limited to damage from loss of prospective profits, interruption of business, loss of business information or any other economic loss) which occurs as a result of the use of the software or as a result of the fact that it cannot be used; this also applies if UEBE Medical GmbH was advised of the possibility of such damage beforehand. In this case the liability of UEBE Medical GmbH and its suppliers shall be limited in accordance with this agreement to the amount you actually paid for the software if the effect of this clause has not been specifically excepted by the applicable law.

Any lending or unauthorised copying, citing or transmission of the information contained on the data medium is a violation of the applicable law. This software license agreement is subject to German law.

Operating the unit

Read out the fertility profile

To be able to read out the data, press – after you have attached the cable – the large round Measurement button and at the same time the small round Cycle Start button for approx. 3 seconds until “USB” appears in the display.



Then, by clicking on the “Fruchtbarkeitsprofil auslesen” button, you can read out and display the data from the unit.

Frequently asked questions

When to measure and how often?

You can start your daily measurement the morning after the cycle start. What is important is that you have slept for at least 5 hours and you have not got up in the hour prior to measurement. You do not have to continue measuring when cyclotest® baby displays the long infertile phase after ovulation, i.e. no baby symbols are shown.

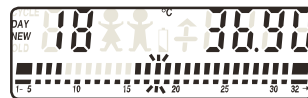


Bild Nr. 25
Sie müssen jetzt bis zur Menstruation nicht mehr messen.

Frequently asked questions

If one or two measurements have failed, this is not important. Simply carry on as normal on the next day. If there are too few measurements that can be evaluated in a cycle, the unit, to be on the safe side, displays a longer fertile phase than usual.

Important: With each initial measurement in the cycle you determine the time window of 4 hours for the daily measurement. You can therefore decide anew for each cycle whether you want to stick with the selected time or opt for a new time.

Turn off wake-up alarm?

If you do not want to be disturbed, e.g. you want to have a lie-in at the weekend, you can turn off the wake-up alarm. To do so, press the large round Measurement button once briefly when the unit is switched off. You will see the following display:



Fig. no. 26
Wake-up alarm on (more bars)

Again press the large round Measurement button once briefly.



Fig. no. 27
Wake-up alarm off (fewer bars)

To turn the wake-up alarm back on, proceed as described above. The unit confirms the input with a beep.

Frequently asked questions

Pregnancy display?

cyclotest® baby is waiting for your cycle start. In this case, there are two possibilities:

- 1) You have forgotten to start a new cycle on the first day of menstruation.
- 2) If there is no menstruation, you may be pregnant.

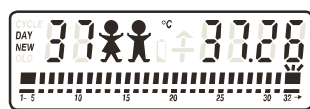


Fig. no. 28

Important: If within a cycle you observe inexplicable temperature responses which deviate from your previous cycles, call the cyclotest® service hotline.

Fever and high temperature?

An atypical increase in temperature is blanked out during the cycle recording. If there are not enough temperature values that can be evaluated during a cycle, the fertile phase is extended. See Fig. no. 11 “H”.

Measurement button pressed without sensor at point of measurement?

cyclotest® baby breaks off the measurement and signals this acoustically with three beeps and optically with an “E”. See Fig. no. 13.

Frequently asked questions

Irregular cycle?

The unit displays a cycle length of 32 days in the bar chart. Counting is continued automatically for longer cycles.

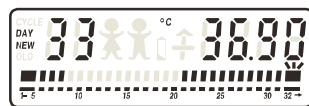


Fig. no. 29

You can recognise this by the flashing square in the bar chart, by the small arrow underneath and by the digit at top left.

In the event of irregular cycle lengths, a longer fertile phase is displayed.

Time lag?

The time lags that occur on long-distance journeys are for the most part so great that your wake-up time is outside the “time window” in which cyclotest® baby accepts your measurement. If you start your cycle immediately before or during the long-distance journey and are able to take the first measurement at the destination, you can use cyclotest® baby. In all other cases, please call the cyclotest® service hotline.

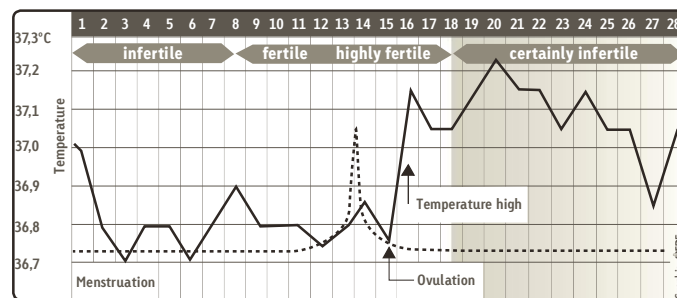
Frequently asked questions

The female cycle?

The female cycle is 28-29 days. Deviations of up to 5 days are considered to be within the normal standard range.

There are three distinct phases here:

- a relatively short infertile phase which begins with menstruation
- a fertile phase which ends shortly after ovulation
- a relatively long infertile phase after ovulation



The temperature method, which is based on the comparative measurement of the wake-up temperature during a woman's individual cycle phases, allows conclusions to be drawn about the processes in a woman's body. The more temperature values and information on the cycle duration are available, the narrower the start and end of the fertile phase can be pinpointed.

Technical information

Customer service

The unit may only be repaired by the manufacturer or by an expressly authorised organisation.

Please contact: UEBE Medical GmbH
 Zum Ottersberg 9
 97877 Wertheim, Germany
 Phone: +49 [0] 9342/924040
 Fax: +49 [0] 9342/924080
 E-mail: info@uebe.com
 Internet: www.uebe.com

Technical data

Unit type:	Cycle temperature computer for recording basal body temperature
Method:	Symptothermal method modified on the basis of the recognised regulations of the WHO
Unit dimensions:	8 cm x 10.8 cm x 3.3 cm
Weight:	approx. 110 g
Housing material:	PVC-free, ABS-base plastic
Temperature sensor:	PVC-free, TPE-base flexible sensor
Measurement cable:	Special cable with strain-relief device (kevlar)
Sensor:	Thermistor
Display:	LCD display [liquid crystal display]
Display elements:	Day, temperature value in °C, baby symbols, battery symbol, time-axis display, fault indications, direction arrow

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 cyclotest®

Technical information

Temperature display:	Absolute in °C (non-extrapolating)
Measurement range:	35.5 - 38.0 °C
Measuring accuracy:	±0.1 °C at ambient temperature 10 °C to 35 °C, rel. air humidity up to 85 % (non-condensing)
Storage and transport conditions:	Ambient temperature -10 to +50 °C Rel. air humidity up to 85 % (non-condensing) Protect against moisture/humidity
Serial number:	The unit has a serial number which is identified with SN: please quote this number in the event of possible service enquiries.
Battery:	RENATA type CR2450N button cell, battery for approx. 500 measurements, battery to be replaced only by UEBE Medical GmbH. The unit may only be repaired by the manufacturer or by an expressly authorised organisation.
Service:	Should your unit show evidence of a fault, we ask you not to attempt repairs yourself, but instead to send the unit with a short description of the fault directly to UEBE Medical GmbH for inspection, as unit parts cannot be repaired individually.
Calibration:	The unit does not have to be calibrated; the metrological accuracy of the unit will be automatically checked when the battery is replaced by UEBE Medical GmbH.

Additional equipment connected to medical electrical equipment must comply with the respective IEC or ISO standards (e.g. IEC 60950 for data-processing equipment). Furthermore, all configurations shall comply with the normative requirements for medical systems (see IEC 60601-1-1 or Section 16 of the 3rd edition of IEC 60601-1, respectively). Anybody connecting additional equipment to medical electrical equipment is a system configurator and is therefore responsible for ensuring that the system complies with the normative requirements for systems. Attention is drawn to the fact that local laws take priority over the above-mentioned normative requirements. If in doubt, consult your local specialised dealer or the Technical Service department.

General provisions

Explanation of symbols



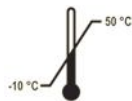
Degree of protection against electric shock: TYP BF



Please observe operating instructions!



This product complies with the Council Directive 93/42/EC from 5 September 2007 regarding medical devices, which became effective on 21 March 2010 and bears the mark CE 0123 (TÜV SÜD Product Service GmbH).



Storage and transportation conditions
Ambient temperature -10 to +50 °C



Protect against moisture/humidity
Relative air humidity up to 85 %



Keep dry

Disposal



Batteries and technical appliances must not be disposed of with domestic waste, but should be handed in at the appropriate collection and disposal points.

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 cyclotest®

General provisions

Applicable standards

- IEC 60601-1 : 2005 Medical electrical equipment - Part 1: General requirements for basic safety and essential performance
- IEC 60601-1-2:2007 Medical electrical equipment - Part 1-2: General requirements for basic safety - Collateral standard: Electromagnetic compatibility - Requirements and tests
- DIN EN 12470-3: 2000 Clinical thermometers - Compact electrical thermometers with maximum device

Electromagnetic compatibility (EMC)

Technical description

The unit satisfies the EMC requirements of the international standard IEC60601-1-2. The requirements are satisfied under the conditions described in the tables below.

The unit is an electrical medical product and is subject to special precautionary measures with regard to EMC which must be published in the instructions for use.

General provisions

Portable and mobile HF communications equipment can affect the unit. Use in conjunction with non-approved accessories can affect the unit negatively and alter the electromagnetic compatibility.


The unit should not be used directly adjacent to or between other electrical equipment.

Guidance and manufacturer's declaration - electromagnetic emissions		
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should ensure that it is used in such an environment.		
Emissions test	Compliance	Electromagnetic environment - guidance
RF emissions CISPR 11	Group 1	The device uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment.
RF emissions CISPR 11	Class B	
Harmonic emissions IEC 61000-3-2	N/A	
Voltage fluctuations/flicker emissions IEC 61000-3-3	N/A	

General provisions

Guidance and manufacturer's declaration - electromagnetic immunity			
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should ensure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Electrostatic discharge [ESD] IEC 61000-4-2	±6 kV contact ±8 kV air	±6 kV contact ±8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30 %.
Electrical fast transient/burst IEC 61000-4-4	±2 kV for power supply lines ±1 kV for input/output lines	N/A	Mains power quality should be that of a typical commercial or hospital environment.
Surge IEC 61000-4-5	±1 kV differential mode ±2 kV common mode	N/A	Mains power quality should be that of a typical commercial or hospital environment.
Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11	<5% U_T (>95% dip in U_T) for 0.5 cycle 40% U_T (60% dip in U_T) for 5 cycles 70% U_T (30% dip in U_T) for 25 cycles <5% U_T (>95% dip in U_T) for 5 sec	N/A	Mains power quality should be that of a typical commercial or hospital environment. If the user of the device requires continued operation during power mains interruptions, it is recommended that the device be powered from an uninterruptible power supply or a battery.
Power frequency [50/60 Hz] magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment.
NOTE U_T is the a.c. mains voltage prior to application of the test level.			

General provisions

Guidance and manufacturer's declaration - electromagnetic immunity			
The device is intended for use in the electromagnetic environment specified below. The customer or the user of the device should ensure that it is used in such an environment.			
Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment - guidance
Conducted RF IEC 61000-4-6	3 Vrms 150 kHz to 80 MHz	N/A	Portable and mobile RF communications equipment should be used no closer to any part of the device, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter. $d=1.2\sqrt{P}$ 80 MHz to 800 MHz $d=2.3\sqrt{P}$ 800 MHz to 2.5 GHz where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m). Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, ^a should be less than the compliance level in each frequency range. ^b Interference may occur in the vicinity of equipment marked with the following symbol: 
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2.5 GHz	3 V/m	
NOTE1 At 80 MHz and 800 MHz, the higher frequency range applies. NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			
^a Field strength from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radios broadcasters and TV broadcasters cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the device is used exceeds the applicable RF compliance level above, the device should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the device.			
^b Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.			

General provisions

Recommended separation distances between portable and mobile RF communications equipment and the device			
The device is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the device can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the device as recommended below, according to the maximum output power of the communications equipment.			
Rated maximum output power of transmitter W	Separation distance according to frequency of transmitter m		
	150 kHz to 80 MHz N/A	80 MHz to 800 MHz $d=1.2\sqrt{P}$	800 MHz to 2,5 GHz $d=2.3\sqrt{P}$
0.01	N/A	0.12	0.23
0.1	N/A	0.38	0.73
1	N/A	1.2	2.3
10	N/A	3.8	7.3
100	N/A	12	23
For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.			
NOTE1 At 80 MHz and 800 MHz, the higher frequency range applies.			
NOTE2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.			

Maintaining the unit

The flexible part of the sensor is waterproof, the rest of the sensor and the unit may only be wiped with a moistened cloth.

The unit is not waterproof and must not be immersed in water!! Clean the unit with a moistened cloth and a mild cleaning agent. You may use ethyl alcohol (available from all good pharmacies) for disinfection.

Do not expose the thermometer to extreme heat (blazing sun, heating, hot water, etc.).

Warranty

The device has been manufactured and tested with great care. However, in the unlikely event of a defect being detected after delivery, we provide warranty in accordance with the following terms and conditions:

1. During the warranty period of 2 years from the date of purchase we reserve the right either to repair any such defect at our expense (upon return of the unit to our factory) or to supply a perfect replacement unit.
2. Excluded from the warranty are parts subject to normal wear and tear as well as damage caused by non-compliance with the instructions for use, improper handling (e.g. unsuitable power sources, breakages, leaking batteries) and/or disassembly of the unit by the purchaser. Furthermore, no claims for damages against us are substantiated by the warranty.

Warranty

3. Warranty claims can only be advanced in the warranty period and by presenting proof of purchase. In the event of a warranty claim, the unit must be sent to the following address together with the proof of purchase and a description of the complaint: UEBE Medical GmbH, Service-Center, Zum Ottersberg 9, 97877 Wertheim, Germany.
4. In the event of defectiveness of the goods, the statutory rights of the purchaser to claim against the seller in accordance with § 437 German Civil Code are not limited by the warranty.

Please note: In the event of a warranty claim it is essential to attach the proof of purchase.
