biocheck **Pro**

Acupuncture Measurement and Resonance Test with node locating aid

OPERATING INSTRUCTIONS

Part 1: Hardware description

ONLY FOR MEDICAL SPECIALISTS OR PERSONNEL

Revision July 2014

First edition March 1995, Revised in October 1995, April, September, October 1996, February, November 1997. Latest revision to meet CE specifications: June 1998. English translation by Jonathan Harrow, October 1998. Addition of the node locating aid, 2001. Addition 10uA-Mode, 2007, Revised Safety Advice, 2008. Oct 2008, switch to biocheck Pro. New layout, July 2011. July 2014 data adjustment, temperature range, standards.

Although great care has been taken in compiling these operating instructions, factual errors may have slipped in. Only the latest, current edition is binding. If in doubt, please check with Holimed to ensure you have the latest edition.

Information and data in this manual may change without prior notice. This operating manual provides information on how to use ***biocheck***. Any indications for treatment should be regarded as proposals, and are based on our own prior observations. However, please refer to the relevant literature for precise indications on treatment.

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Holimed Privatinstitut für holistische Medizinsysteme, Schenkendorfstr. 12, 90455 Nürnberg

Telephone ++49 9129 / 26855; Internet: http://www.holimed.de; Email: info@holimed.de .

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Safety Instructions, Please Read Carefully:

biocheck Pro is an electronic instrument for measuring skin resistance. This requires an electric current (though very low). ***biocheck Pro*** should never be used on persons with a pacemaker or defibrillator or applied to the chest of persons with serious heart complaints. Under some circumstances, ***biocheck Pro*** may interfere with a pacemaker's or defibrillator's signals.

Also for safety reasons, we strongly recommend to remove the rechargeable batteries from the instrument if you intend not to use ***biocheck Pro*** for more than one week.

No information from any substance should be given to persons during pregnancy or persons suffering from manic psychoses.

The bioresonance and the electroacupuncture according Dr. Voll (EAV) are scientifically controversial and the teaching medicine is not appreciating the methods in some countries yet. All information on this presentation is related to energetic treatment.

Any form of energetic treatment does IN NO CASE replace traditional MEDICAL TREATMENT.

Table of Contents

Preface

Thank you very much for deciding to work with the ***biocheck Pro*** system for measuring acupuncture nodes and performing the Resonance Test. You have acquired an instrument that has been developed according to the most modern technology available. ***biocheck Pro*** integrates not only tried and tested experiences but also significant improvements. We wish you all success with our system, and that the people you treat will experience an improvement in their general health and may be helped toward recovery.

The technique of measuring acupuncture nodes electrically now goes back about 50 years. Niboyet discovered a significant difference in skin resistance at the acupuncture nodes compared with the rest of the skin. In 1952, W. Schmidt found out that this resistance at the acupuncture nodes additionally exhibits special characteristics that enable us to assign an „energetic status“ to its value and perhaps to organic disorders. This knowledge was then systematized by Dr. Voll, who used it as a base for creating his electro-acupuncture system. The amazing fact is that bioresonance phenomena between the body and other substances exhibit a change in this resistance. This finding, observed for the first time in one of Dr Voll's workgroups, has now been developed into the exciting field of the Resonance Test.

For us at the Holimed Privatinstitut für holistische Medizinsysteme, the Resonance Test is a logical consequence of the applications of bioresonance that we have already introduced with ***bioswing***. Electro-acupuncture, the Resonance Test, and bioresonance are three building blocks in holistic medicine or in the "alternative medicine" that we consider will take on a decisive role in the years to come and point to new directions in healing.

To make the work easier for you we have the standard system ***biocheck Pro***, available since 1995 in different versions, equipped with a search facility for the acupuncture nodes. Furthermore, this edition allows for choosing two different measuring currents: Setting one is the recommended 2.5uA ***biocheck***-Mode. The alternative setting uses 10uA, which is the electrical current range, used at other traditional EAV instruments. We very much recommend using the 2.5uA mode but if you used other instruments in the past, you may feel comfortable using the 10uA mode.

We wish you an interesting, successful, and exciting time with ***biocheck Pro***, and it is our heartfelt wish that our work will help many people in the future.

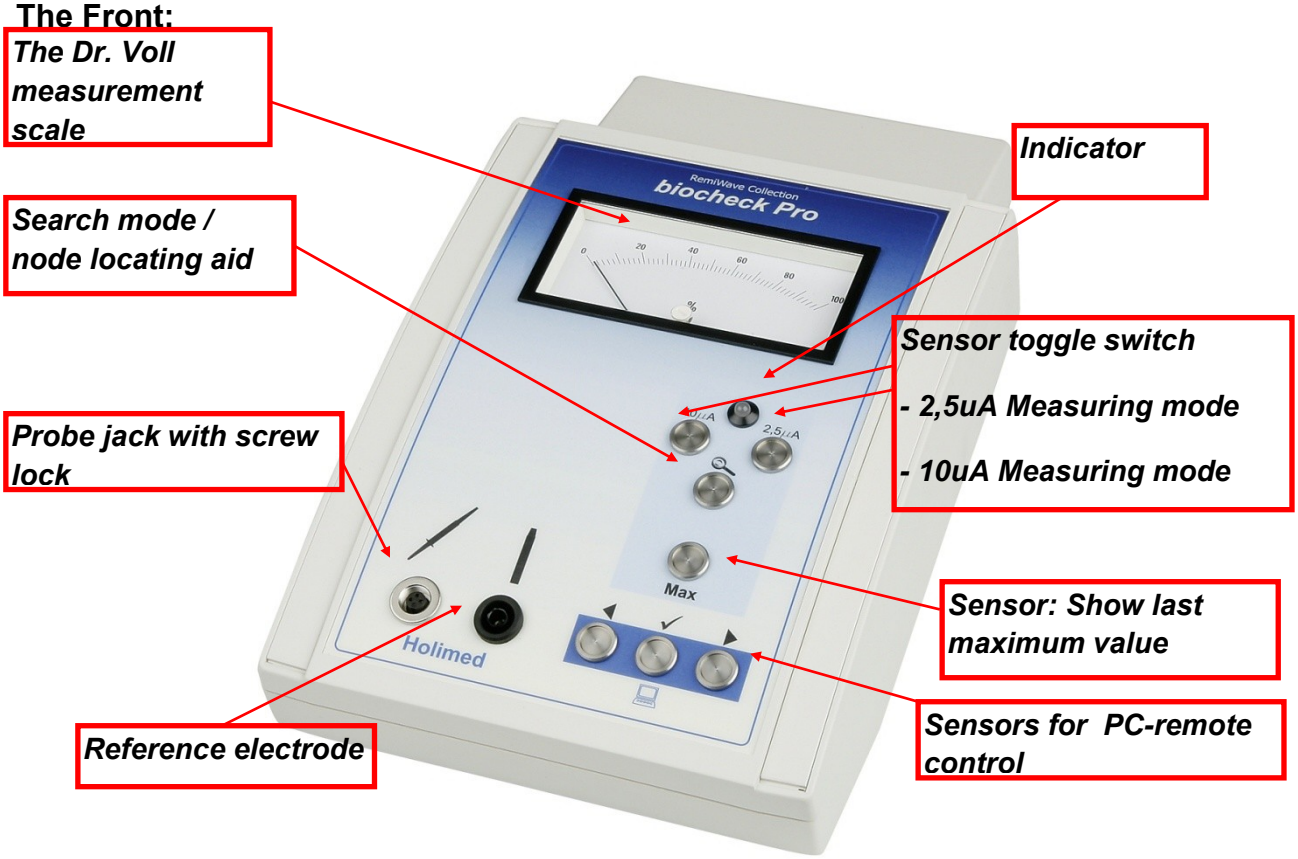
The Management of Holimed GmbH

biocheck **Pro**

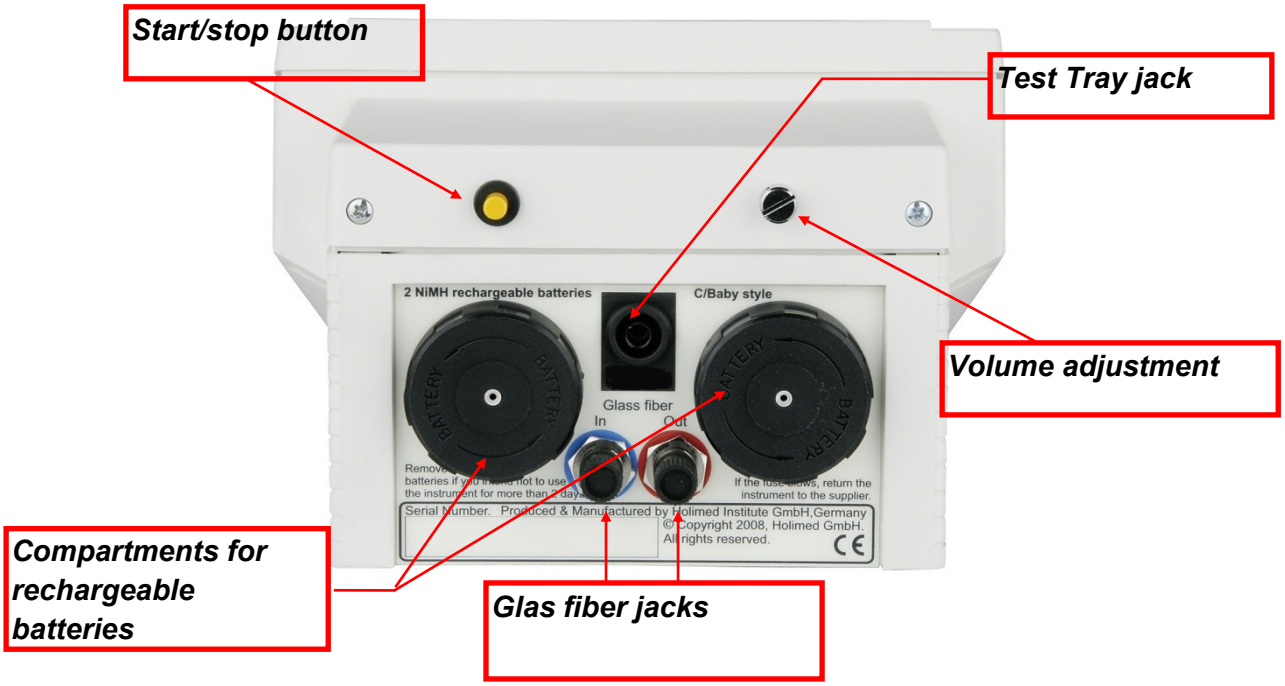
Quick Start: *Getting started Straight Away*

The Functions and Controls at a Glance

The Front:



The Rear:



Quick Start

This section shows you how to get your ***biocheck Pro*** ready for its first application in just a few minutes. The various steps in the process can only be sketched here. For more detailed explanations, please follow this up by reading the appropriate sections.

If you have also ordered additional rechargeable batteries, please note that they are brand-new and probably **not** charged (unless otherwise labelled). First charge your batteries according to the instructions provided with your battery charger.

We usually supply ready-charged, high-performance rechargeable batteries as part of your ***biocheck Pro*** delivery so that you can get started straight away.

For further important information on rechargeable batteries, please read the section **Rechargeable Batteries**.

Also for safety reasons, we strongly recommend to remove the rechargeable batteries from the instrument if you intend not to use *biocheck Pro* for more than one week.

Before Beginning:

Please remove the rechargeable batteries and the ***biocheck Pro*** from their packaging. If you look at the back of your ***biocheck***, you will see the screw-on caps for the battery compartments. You can open them easily by turning them counter clockwise.

Insert the rechargeable batteries with the button contact (the positive terminal) visible and facing toward you. The base of the battery (negative terminal) is then inside the compartment. Now screw the caps back on. Because battery specifications vary slightly from manufacturer to manufacturer, the cap may be a little bit harder to screw on (against the pressure of the spring at the bottom of the compartment).

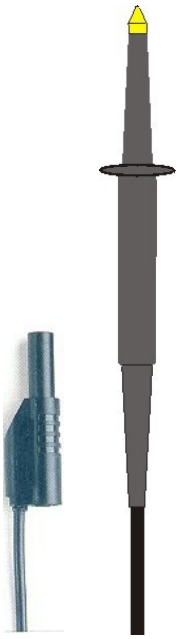
The batteries are connected only after the cap has been screwed on tightly. Once the caps are firmly in place, please do not try to tighten them any further. Otherwise, you may damage the thread.

If you happen to insert a rechargeable battery the wrong way round by mistake, this will not cause any damage, because the cap has a built-in safety device that ensures no contact with the positive terminal on most commercially available rechargeable batteries. If your ***biocheck Pro*** fails to start after changing batteries, this may be because the rechargeable batteries are (or one of them is) flat or inserted the wrong way round. Please always check this first.

Important Notice: *We expressly advise against the use of normal dry-cell batteries! In any case, as a general recommendation, please never try to charge normal dry-cell batteries. The gases that then form may split the case of the battery and spill its contents into your battery charger and the environment.*

In addition: *Charged or partly charged rechargeable batteries should not be recharged with conventional, "unintelligent" battery chargers. This will reduce their life and their capacity.*

Button contact



Connecting the Cables

biocheck Pro generally comes equipped with two connecting cables:

- A test probe / stylus
- A reference cable with a IEC safety plug

One end of the test-probe cable has a special plug that can be fitted to the jack in only one direction (reverse-connect protection). Connect this plug to the jack with the **illustration of a stylus** on your ***biocheck Pro*** instrument. By gently turning the plug, it is easy to find the right position in which it will slot in. After inserting the plug, please tighten the retaining ring on the jack so that the contact cannot work loose or the cable be pulled out by accident.

Now insert the reference cable in the reference jack (with the illustration of a rod) on your ***biocheck Pro***. Connect the other end to the brass hand electrode. In line with safety regulations, both plugs and jacks are not simple banana plugs, but shrouded plugs complying with IEC norms.

Basic Function Test

Your ***biocheck Pro*** is now ready for its first function test. This test is very simple.

Please proceed as follows:

1. Lay the probe and the hand electrode down so that the contacts are not touching.
2. Check whether the instrument is pointing to "0." This base level may have shifted slightly during transportation. If the indicator is not on "0," then turn the plastic screw (with a small screwdriver) until the indicator rests on "0."
3. Briefly press the start button. You will hear a short tone letting you know that ***biocheck Pro*** is switched on, and the indicator will light up e.g. green (the color depends on the previous setting.)
4. Now touch with the brass tip of the stylus the "Max" sensor. The indicator should now shift to about 50 on the scale (= 50%). Remove the stylus from the sensor. The indicator should return to zero.
5. Touch the brass hand electrode with the tip of the probe. The indicator should now move to about 100 and you should hear a high-pitched wailing tone. If the indicator passes slightly beyond the 100 mark when you perform this short circuit, this is due to the factory calibration of the Voll curve, which is not very linear in this interval. This is irrelevant for measurement, because the Dr Voll measurement curve is defined only for the 10-90% interval. Values beyond this interval have no further significance.
6. Break this "short circuit" and touch the "Max" sensor again. The last maximum value on the scale will now be displayed for as long as you continue to touch the sensor with the tip of the stylus.
7. Press the start button again. You will now hear the switching-off tone and ***biocheck Pro*** will turn itself off.

After carrying out this function test, you will know that:

- The rechargeable batteries are inserted correctly.
- The switches have been recognized correctly.
- There are no breaks in the connecting cables.
- The plugs are making contact.
- The measurement system is working.
- The electronic controls are working.

If the function test does not produce the desired result, please check the following:

- Are the cables inserted correctly, and is the retaining ring screwed in properly?
- Did you press the start button firmly enough?
- Are the caps on the rechargeable battery compartments screwed down properly?
- Does a slip of paper or plastic film have into one of the battery compartments by mistake?
- Are the rechargeable batteries charged? (Test them on another instrument or a torch.)

There is no need to perform this function test every time you use the instrument. It should be enough to carry it out every few days. In general, you can assume that your ***biocheck Pro*** is working properly. However, we recommend that you have your ***biocheck Pro*** serviced once a year just like any other instrument that has to meet official specifications.

First Use

Now, it is time for you to try out your ***biocheck Pro*** for the first time. You can do this by measuring the acupuncture terminal nodes on the hand and the foot.

- Connect ***biocheck Pro*** in the same way as you did for the function test above and place the brass hand electrode in the hand of the person you want to measure.
- Start ***biocheck Pro*** by briefly pressing the **start button**.
- Now, you can already start taking measurements.
  You will find some additional information in the detailed operating instructions further on in this manual. In the appendix, there is a special form for noting down the scores.

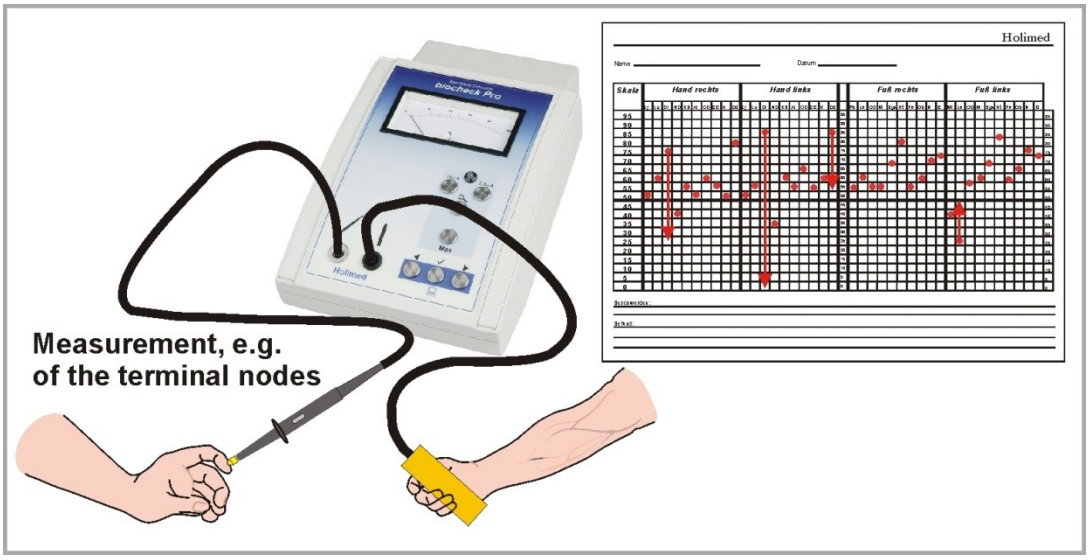
***A special tip*:**

If the skin is very dry or very calloused, we advise you to wipe the finger with a slightly damp paper towel before measuring. However, make sure that the person being measured does not have wet hands.

If all values measured are very high:

If the hands are very moist or you are measuring toes, try rubbing them with a dry paper towel.

Please also read the appendix.



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No information from any substance should be given to persons during pregnancy or persons suffering from manic psychoses

biocheck **Pro**

Detailed Operating Instructions

Your Delivery

The range of your ***biocheck Pro*** system depends on the size of your order.

In general, we distinguish between the basic instrument and extra equipment.

Your **basic instrument** contains the following:

1. The ***biocheck Pro*** instrument.
2. One set of high-power rechargeable batteries. They may be precharged.
3. One standard brass rod electrode.
4. One cable with black safety plugs for the reference signal.
5. One probe cable with an improved parabolic tip for node measurement.

Please check that your delivery is complete and in perfect outside condition.

Accessories

In addition to the basic equipment, we also supply various **add-ons**:

- The bio-resonance systems ***bioswing, bioswing Pro*** und ***RemiWave Pro*** for the information transfer.
- A test tray for the Resonance Test (honeycomb).
- A measuring probe according Dr. Kramer.

- A flat ampoule pick-up for testing groups of ampoules.
- A recommended "intelligent" battery charger (220/240V only). Your local supplier may offer another charger, which meets the wall power voltages in your country.
- A wooden drawer for your test ampoules.
- Holimed supplies selected test kits for speeding up the resonance test (based on electro-acupuncture according to Dr. Voll, **EAV**). Currently, the following test kits are available:
    - The Starter Test Kit compiled by Helmut Hahn.
    - The Supplementary Test Kit 1 and 2 that extend certain aspects such as intoxication, mycosis, fats/carbohydrates/protease/nuclease metabolism, strains on the nervous system, and much more.
    - The Allergy Test Kits: Food, Food additives, Pollens, Inhalation, Identification.
    - Special test kits for the 5-elements theory, focal toxicosis, or parasites.

The availability of some test kits may be restricted in some countries. Please ask your local supplier for details.

- In addition, there is versatile PC software available for recording and printing your measurements.

The Rechargeable Batteries

Rechargeable Batteries in General

Principally, ***biocheck Pro*** is designed to work **only** with rechargeable batteries. We specifically chose not to use mains electricity to prevent any interference from the electrical noise passing through the instrument and being transmitted to the output cable. Batteries must always be removed from the instrument for recharging.

SAFETY NOTICE: Never try to connect the instrument to the mains supply or a battery charger. First, this may damage the delicate electronics; and, second, a defect in a power supply that has not been tested for medical use may expose the body to high mains voltage!

This can be mortally dangerous!

The basic ***biocheck Pro*** package contains high-power rechargeable batteries that may have been charged already so that you can get started straight away. If you have ordered extra rechargeable batteries, please note that, usually, these have not been charged because they have come straight from the factory. Before proceeding, please charge the batteries according to the instructions for your battery charger. We normally deliver high-power rechargeable batteries. Usually, the charging current (in mA) and the charging time in hours is printed on the battery. If your battery charger does not adjust itself automatically, and its maximum current is lower than that printed on the rechargeable battery, simply increase the charging time according to the following equation:

Actual charging time = battery charging time x 1.5 x (battery charging current / max. charging current of the charger).

Most battery chargers carry the maximum charging current printed on their casing. Alternatively, in several countries, we can supply a recommended, "intelligent" battery charger that will charge your batteries at high speed. Please read the instructions on your charger before charging batteries.

Important notice: *We advise you expressly not to use dry-cell batteries! In any case, never try to recharge dry-cell batteries. This generates gases that may split the battery case, spilling the contents of the battery into your battery charger and the environment*

In addition*, charge only flat batteries. Charged or partially charged rechargeable batteries should not be recharged with common, "unintelligent" battery chargers. This will reduce their life and capacity.*

We recommend that you always keep a second set of rechargeable batteries charged up in your battery charger.

Our tip:

Wipe the button and base contacts with a dry cloth after charging. This reduces contact resistance and can increase their working life.

For safety reasons, we strongly recommend that you use only rechargeable batteries supplied by Holimed. Please never use dry-cell batteries in your ***biocheck***. Alongside the safety aspect, such batteries also discharge in a way that ***biocheck Pro*** may identify incorrectly as a signal that the battery is flat.

Also for safety reasons, we strongly recommend to remove the rechargeable batteries from the instrument if you intend not to use *biocheck Pro* for more than one week.

In addition, brand new rechargeable batteries generally reach full capacity only after several charge-discharge cycles. Therefore, don't be surprised to find that the operating time is comparatively short after the first recharge, but then becomes increasingly longer.

Inserting the Rechargeable Batteries

If you look at the back of your ***biocheck***, you will see the caps for the battery compartments. These caps are screwed down. They are easy to open by turning them counter clockwise.

Please insert the rechargeable batteries so that the positive pole (the button contact) is pointing toward you. The negative pole (base contact) is then hidden inside the compartment. **If one or more batteries are inserted in the other way round, then the less charged batteries may be damaged.** Now, screw the cap back on. Because rechargeable batteries from different manufacturers may vary slightly in size, it may be a little harder to screw the cap down firmly (against the resistance of the contact spring at the base of the compartment).

The rechargeable batteries are connected up only when the cap is screwed on fairly firmly. However, please don't try to screw the cap on too far, or you may damage the thread.

If you happen to insert a rechargeable battery the wrong way round by mistake, this will not cause any damage, because the cap has a built-in safety device that ensures no contact with the positive pole on most commercially available rechargeable batteries. If your ***biocheck Pro*** fails to start after changing batteries, the first thing you should check is whether the rechargeable batteries are (or one of them is) flat or inserted the wrong way round.

Never mix partly discharged batteries with fully charged batteries. This would reverse-polarize and make thus useless the weaker batteries. This, generally, is also valid for your flashlight.

General advice for the use of rechargeable batteries:

- Always follow the instructions of the manufacturer as well as the following safety precautions when using rechargeable batteries:
- Handle rechargeable batteries carefully.
- Rechargeable batteries can be dangerous if not handled properly. Mishandling can cause rechargeable batteries to run out of electricity, loose their ability to be recharged, and even explode or cause fires and injuries.
- If the contents of a rechargeable battery happen to leak, follow the usual precautions and recommendations of the manufacturer.
- Always replace all rechargeable batteries in the apparatus. If you mix old and new rechargeable batteries or different types, these can run out or burst.
- Dispose old rechargeable batteries according to the instructions of the manufacturer.
- Never open or damage the rechargeable batteries.
- Do not throw rechargeable batteries into a fire or do not expose them to temperatures of over 130° Fahrenheit or 54° degrees Centigrade.
- Do not allow rechargeable batteries to get wet.
- Charge only rechargeable batteries, never ordinary batteries.
- Take care that the rechargeable batteries are inserted correctly according to their polarization.
- Conductive objects like rings, bracelets and key can cause a short circuit and the battery can over-

heat itself and run out or explode.

- If you do not want to use the apparatus for some time, remove the rechargeable batteries from the instrument and store them in a cool dry place at room temperature.
- Keep rechargeable batteries out of the reach of children.

Always remove the batteries if you transport the device or send it by mail/freight. If you do not do this, damages to the device can arise. Batteries that move within the device can cause a short circuit and hence subsequent damages are possible, for which YOU are liable.

The Functional Parts

The Functional Parts in Detail

The following pages deal with each of the functional parts.

We do this by providing information on their function and - as far as possible - suggestions on how to work with ***biocheck***.

The Display Instrument

The scale on the display instrument is divided into 100 units (or %) and is calibrated according to the resistance curve as specified by Dr. Voll. Any milliampere or microampere value printed on the dial is a manufacturing specification and does not refer to the measurement current. The maximum measurement current of ***biocheck Pro*** is approximately 2.5 microamperes (0.0000025 amperes) for a scale reading of 100 when using the sensitive mode.

To obtain a quantitative statement on the status of an acupuncture node, it is necessary to have some reference value. Dr. Voll has set 50 scale units (%) as the **normal value** when using brass electrodes; in other words, this is the value that will be found at a stable, balanced acupuncture node. Practical experience has shown the need for a degree of tolerance here: We call an acupuncture node normal when the value ranges between approximately 45 and 58. Within the framework of electro-acupuncture, higher values are regarded as acute, inflammatory, hyperactive, whereas lower values indicate a chronic, degenerative, hypoactive influence.

The normal value depends on what the electrode is made of. Due to the very low measurement current and high skin resistance, the galvanic voltage (generated through the contact between the skin and the electrode) is measured as well. In EAV, both the probe and the reference electrode are made of brass. As a result, our statements refer exclusively to the materials we deliver.

If you wish to use your own silver-plated electrodes, please follow the manufacturer's instructions. You will then have to use other scale values.

Please do not mix different electrode materials (e.g., a brass probe and gold-plated foot electrodes, etc.). You will either obtain no measurement at all or one that is extraordinarily distorted.

The Jacks for the Probe and the Reference Electrode

The contact with the person to be measured is obtained through the measurement probe (the stylus) and the reference hand electrode. The end of the connecting cable for the measurement probe is furnished with a plug that will fit the specially designed jack in only one position. The easiest way to connect the plug to the jack is to rotate the plug in the jack gently. It will slot in easily once it is in the correct position. To prevent it from working lose unintentionally, please screw down the retaining ring. Generally, the plug will be attached firmly after only one to two turns of the retaining ring. Please do not try to turn the ring any further than it wants to - this could damage both the jack and the plug.

Simply connect the reference cable to the IEC safety jack next to the probe jack. Insert the other end of the cable into the hand electrode.

The Start/Stop Button

The only way to switch **on** your ***biocheck Pro*** is with the yellow start button. This will then be confirmed with a short tone. Pressing the button a second time will switch ***biocheck Pro*** **off** again. This is also accompanied by a tone signal.

biocheck Pro will also switch off automatically when:

1. It detects that the batteries are flat and there is not enough voltage for it to function properly.
2. It detects that no more measurements have been carried out for approximately 3-4 minutes (in order to conserve battery power). When the ***biocheck Pro*** works together with the PC software then the ON time is automatically extended.

The Indicator Lamp

The indicator lamp lights up

- in **Green** in the 2,5uA mode
- in **flashing Green** in Search Mode
- in **Yellow/Orange** in the 10uA mode.

The color enables you to recognize the ready status of your biocheck Pro clearly from some distance away.

The Sensors

A new and ergonomic concept was carried out at ***biocheck Pro.*** For switching over functions, it is no longer necessary to put aside the stylus for operating the buttons.

Simply touch with the top of the probe the sensor whose function you want to activate. Depending on function, a confirmation click-sound is issued. You can immediately continue with the measuring.

The Maximum Value Sensor

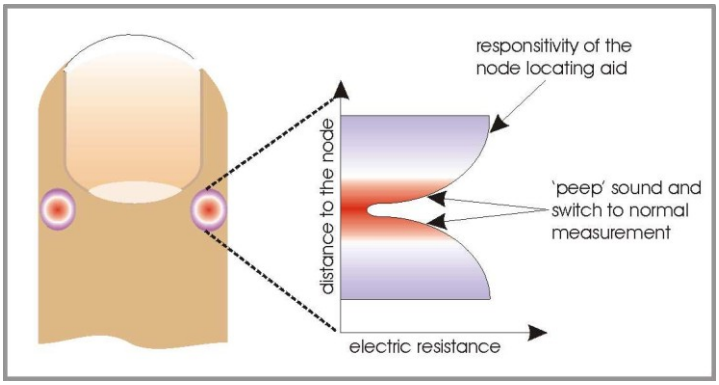
The "Max" sensor retrieves the last maximum value. This is helpful when you have been concentrating on the tone signal while carrying out measurements and would like to see the exact value once again. It is also interesting for the person being measured to see exactly what the value was. Persons are frequently surprised by how high or how low it is. Retrieving the value provides you with a good opportunity to discuss the situation together and gather additional information.

The maximum-value sensor is particularly important when the **indicator drops**:

If you kept the probe on the node until the value settled or the breakover value (see appendix) was attained, then you may well have forgotten what the initial value was. ***biocheck Pro*** records the maximum value during the last measurement, which is also the initial value when the indicator drops. This button provides you with a simple way of retrieving the initial value.

The Node-Locating Aid

The 'node locator' is a special performance feature of your ***biocheck Pro*** system. It makes the localization of the nodes to be measured much easier for you.



The acoustic node locator is based on the physically measurable phenomenon that the electric skin resistance changes like a funnel form in the surroundings of acupuncture nodes.

If one carries out a measuring on largely normal skin with a little tension, then only a minimal electrons movement takes place. This changes in the surroundings of the acupuncture node. The current, which is in the area of nano-amp (10^{-9} Ampere) rises steeply and comes into the field of work of the normal measuring.

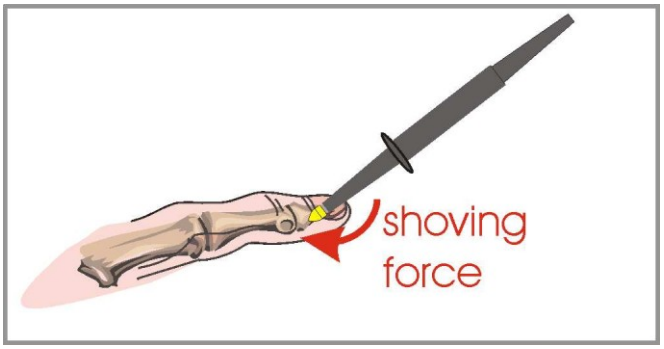
This shows the node locator by the tone. So that you can distinguish the search tone of the normal tone, the search tone is modulated with low frequency, i.e. the pitch sways slight to and fro.

Move, while you are seeking the point, with a low pressure about the skin surface. It suffices at damp or

soft skin (e.g. with children) to move over the skin gently. A little more pressure may be necessary at rather stronger and at a dry skin. As soon as you come into the proximity of a node, the search tone gets audible and the pitch changes (depending on the mode selected: high to low tones or reversed).

Remark:

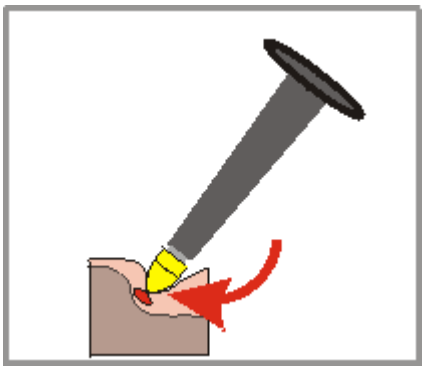
In the case of extremely damp skin, you should dry the skin first; otherwise, you cannot use the locator aid for purely physical reasons. In addition, the node locator aid is not usable in the case of small injuries round the node.



If, while moving over the skin, the minimal support current steeply rises and a measurement current gets recognizable, ***biocheck Pro*** switches to the measure operation. This is shown to you by a short 'peep sound'. You are now in the immediate proximity of the node or directly on the node. To hit exactly the node follow this tip:

Do not paint to and fro without system about the putative node! You probably will not find the point this way.

Better: Imagine you would have a ballpoint pen in the hand with which you want to draw a short line aside the nail bed from the top of the finger in the direction of the node. Press the skin exactly as strong as you would do on paper. You are noticing now that you suddenly push against the bone bulge. Increase the pressure a little and shove the top of the probe so to speak under the bulge. Doing so you squeeze the tissue a little together so that you get close to an -even more deep-seated- node. You get a clean measurement now. If you still are not sure, vary the pressure moderately. If you are on the node, the indicator should only vary around +/-3 scale values in maximum because of the plateau effect. If it varies more (+/-5 to +/-10), then you are besides the node or on the skin.



Remark: Acupuncture nodes occasionally exhibit small satellites nodes in the immediate proximity (up to 5 mini-nodes around the central node, positioned like a star). The described procedure helps you to avoid a wrong measuring.

The Node Locating Aid and Switching Currents

Sensor 2,5uA:

The supporting current when measuring is **2.5 micro amps (uA).** This is the mode of operation, which has been reliable for more than 14 years. The measuring is very sensitive by the low current. Test points are not additionally charged electrically. It has turned out that with this equipment adjustment many preparations can be tested at the same test point after each other without changing the point traumatically.

The indicator LED shines **green.**

This should be the preferred setting.

Sensor 10uA:

The supporting current when measuring is **10 micro amps (uA)** at the measurement value of 50. This feature was installed on demand by users, which in the past have measured with other equipment that used this current intensity. The "feeling" then corresponds approximately to that one of the **old EAV equipment** at indicator drops. It is occasionally helpful at acupuncture nodes, which are difficult to locate since this mode works with higher voltage. The indicator LED shines **yellow/orange.**

Recommendation:

- Do not mix the modes in a series of measurements.
- Use the approved 2.5 uA method preferentially.
- Switch to 10 uA with patients who are generally difficult to measure.
- Switch to 10 uA with patients who have generally low measurements.

The Node-Locating Aid (magnifying glass symbol):

With this sensor, the **node-locating aid** is activated. As soon as the node is found, the measuring operation is switched over into the 2.5uA mode. If you lift the probe off the skin surface, then the instrument returns to the search mode automatically. The indicator LED **flashes green.**

When you start locating a node then place the tip of the stylus at the proximity of the node. A vibrating tone will appear. As soon as you are in the proximity of the node and normal measuring gets possible the locating aid switches over into the measure mode. This is shown by a short ‘peep tone’. Now you can measure the value of the node. It is automatically switched to the 2,5uA sensitive measuring mode.

When ***biocheck Pro*** is switched off then it stores the setting. When it is switched on later again then it restores the setting automatically.

Additional Control Functions

The PC Remote Control Sensors

The ***biocheck Pro*** has three additional sensors. These sensors serve the fast remote control of software products, which run on the PC/laptop computer. With these sensors, you do not need to put away the stylus to call frequently used software functions on the PC. An example would be the switching of the meridians at the protocol software.

Gather the function assigned from your software manual, please.

Volume Control

The volume regulator is on the rear side of the device. Here, you can adjust volume to your environment conditions.

Test Tray Jack

Please connect the test tray (also known as the “honeycomb”) here.

The Fiber Optics Interface

Because of product safety considerations, your ***biocheck Pro*** communicates with the host PC via a fiber optics interface. This type of interface provides electrical insulation as no electrical current is being sent to the ***biocheck Pro***.

The fiber optic interface connectors on the ***biocheck Pro*** are covered with dust protection caps. To connect the ***biocheck Pro*** using the fiber optic cable, remove these dust protection caps and put them in a safe place. Put the dust protection caps on again if you need to carry your ***biocheck Pro*** to another location or if you do not intend to work with your ***biocheck Pro*** for a longer time.

Connect the **red** (or **black**) plug to the **red** jack and the **blue** plug to the **blue** jack. Turn the bayonet lock until it snaps into place. Apply only moderate force; the components are made of plastic. If you are not familiar with this type of plug, please use caution so that you do not break it or make a loose connection. Turn the plug itself (not the bayonet ring) so that the little 'nose' matches the gap in the jack cylinder. You will feel the nose align with the jack and you can then push the plug into the jack and finally turn the bayonet lock into the lock position. This bayonet lock is equipped with a spring to hold the jack tightly in place.

At the other end of the glass fiber, there is a small glass fiber-to-USB converter box with a standard USB plug at the other side. When you install the USB to serial port converter, the software that comes with the converter will assign a COM port channel typically COM port 4 or higher. Connect the USB to serial port converter to the same USB port on the computer each time you use the ***biocheck Pro***.

A note about the fiber cable: When you need to bend the cable, please consider that the minimum bend radius for such cables is 2 inch. Never fold the cable as it may break or there will be too much light transmission loss, which may make it impossible to establish reliable communication.

For details on the *biocheck Pro* software, please consult the relevant software manual.

Battery Compartments

At the back of your ***biocheck***, you will see the caps for the battery compartments. These caps are screwed down. They are easy to open by turning them counter clockwise.

Please insert the rechargeable batteries so that the positive pole (the button contact) is pointing toward you. The negative pole (base contact) is then hidden inside the compartment. Now, screw the cap back on. Because rechargeable batteries from different manufacturers may vary slightly in size, it may be a little harder to screw the cap down firmly (against the resistance of the contact spring at the base of the compartment).

The rechargeable batteries are only connected up when the caps are screwed on fairly firmly. However, please do not try to screw the caps on too far, or you may damage the thread.

Please, see also the section in this manual, which explains the use of rechargeable batteries.

Remove the rechargeable batteries if you do not intend to work with the instrument every day.

Important:

Your *biocheck Pro* is completely isolated from the wall-power system.

Never attach to *biocheck Pro* an external power supply or equipment which is (or can be) connected to the wall-power (240 V).

Never attach a power supply, battery charger, or any other device which is (or can be) connected to the wall-power at the contacts of the battery compartments.

This would expose you or the patient to the danger of electric shock with the consequence of highly dangerous injuries or this immediately could be fatal.

Never connect the externally accessible contacts and the test tray to equipment which is (or can be) attached to the wall-power (e.g. 240V). You would expose yourself or your client to an immediate serious danger.

Never connect to *biocheck Pro* an external device without the prior written express permission of Holimed. Holimed assumes no liability for damages of any type, incl. resultant damages, in such cases.

Sound Signals

A small sound system has been built into your ***biocheck Pro*** for information purposes. The tone signals are divided into two main categories:

1. Operating tones,
2. Status and warning tones.

Operating Tones

- **Measurement Tone**
  The measurement tone changes its pitch depending on the measurement value. A high scale value is accompanied by a high-pitched tone. This provides a good form of feedback during measurement, so that you do not have to look at the indicator all the time.

  With a little practice, you will soon be able to hear whether the node you are measuring is outside the normal range, and it is only then that you will need to look at the instrument in order to read off the value. This makes it possible to work significantly more quickly.
- **Switch-Off Confirmation**
  A short sequence of three tones lets you know that the power-down sequence is at work. After this sequence of tones, the instrument switches itself off.

Status Tones

- **Start Confirmed**
  Because the start button does not lock on mechanically, ***biocheck Pro*** emits a short tone pulse to let you know that your start command has been identified correctly. Afterwards, the indicator should light up green.
- **Confirmation sensor recognized**
  If you touch a sensor with the probe, a corresponding click note sounds. Depending on function, another note resounds, if you lift the probe of the sensor.

Warning Tones

- **Flat Batteries**
  This signal is a siren-like sequence of high to low tones. It repeats twice before the instrument switches itself off. ***biocheck Pro*** will always activate its automatic switch-off sequence if the batteries no longer contain sufficient charge for the instrument to operate correctly.

  If you try to start up the instrument again shortly after the signal has gone off, it may run again for a few minutes or seconds. This is because of the chemical processes causing flat rechargeable batteries to "regenerate" a minimal residual charge. The size of this effect depends on the way in which the battery has been manufactured as well as its age.

Cleaning / Environmental Temperatures

Your biocheck Pro Instrument

Please do not use any solvents, thinners, or acetone to clean the instrument. For normal cleaning, we recommend a damp cloth and a little liquid dishwashing detergent. Do not use a wet cloth or sponge or any harsh cleansing agents. Although the instrument is well-sealed, there is always a possibility that some water could seep in and damage the sensitive electronics. In addition, aggressive cleansing agents could damage the case.

When disinfecting the instrument, please use the same 70% ethyl alcohol (ethanol, "alcohol") that you would use to disinfect before injections. If you intend to use another disinfection agent, we advise you to test it out first on a small patch that is not normally visible (e.g., on the base of the instrument) to ensure that it does not stain or damage the surface.

Remove the rechargeable batteries if you do not intend to work with the instrument every day.

The Electrodes

Electrodes and cables can be cleaned in the same way.

The brass electrodes will oxidize in time; in other words, they will tarnish. This has no impact on their effectiveness. Generally, this superficial tarnish will rub off with a little dishwashing detergent and a soft cloth.

Warning: Although scouring powder or other abrasives would remove this tarnish completely, they would scratch the polished surface, resulting in a larger surface that would then oxidize even more quickly.

Impregnated "silver polishing cloths" have proved to work well. They generally leave a very shiny surface. However, after using such a cloth, please remember to **clean the electrodes thoroughly** so that no chemical traces remain.

Setting Up the Instrument

Please do not place the instrument in direct sunlight, on top of radiators, and so forth.

The tolerable temperature range for the batteries and electronics extends from 0 to 50 Celsius. Direct sunlight or exposure to heat may well exceed this upper limit.

Maintenance and Troubleshooting

Your ***biocheck Pro*** instrument has been designed and manufactured with great care. All components are supplied by well-known manufacturers. We have also taken great care to ensure that mechanical strains like those involved in transporting ***biocheck Pro*** for home visits do not cause any problems. Nonetheless, ***biocheck Pro*** is an electronic instrument in which, given the current state of technology, it is impossible to rule out the possibility of problems arising eventually.

We recommend that you return your instrument to Holimed for servicing at least once a year. If the instrument is used for several hours each day, it is in the patients' interests to have it serviced every 6 months. During servicing, we check the overall technical functioning and ensure that the variable dimensions meet our specifications.

Insofar as operating regulations or other legal regulations stipulate inspections of *biocheck Pro* at regular intervals, we request you to comply with these and follow our instructions.

We reserve the right to recall our instruments in any case of legitimate interest.

Your ***biocheck Pro*** is an instrument that applies the most modern electronics. Without these electronics, the instrument would not fit into such a small case. If you have trouble with your instrument, please do not let anybody apart from Holimed (or authorized agents) open it or try to repair it. There is a very strong probability that this would damage elements or that a safety mechanism would blow part of the circuitry. This would only lead to high repair costs.

HOLIMED REFUSES TO GUARANTEE INSTRUMENTS THAT HAVE BEEN OPENED BY UNAUTHORIZED PERSONS (AS INDICATED BY, E.G. BROKEN SEALS) AND ACCEPTS NO LIABILITY FOR ANY KIND OF DAMAGE TO OR CAUSED BY SUCH INSTRUMENTS, BE IT DIRECT, INDIRECT, OR CONSEQUENTIAL!

Should problems arise with your ***biocheck Pro***, please rest assured that we try to repair instruments returned to us immediately. If repairs take longer than usual (e.g., due to one of the component shortages that sometimes occur worldwide), we shall endeavour - as long as we have test instruments in stock - to provide you with a temporary substitute.

Our **instruments** also carry a **12-month warranty from the date of delivery.**

This warranty covers both materials and labour costs but does not cover freight costs. To enable us to honour our warranty, please return the instrument to us postage paid. Local servicing is not possible because of the measuring instruments required.

For a quick function test, please see section 3, item Basic Function Test.

If the function test is a failure, the best thing to do next is to telephone Holimed or its representative organization. Perhaps we shall be able to give you a tip that had not occurred to us while writing this manual.

We recommend that you have your *biocheck Pro* serviced once a year - just like any other instrument that has to meet official specifications.

Additional Literature

These operating instructions are naturally unable to cover all the special features of the electroacupuncture and bioresonance. We advise you to consult the professional literature. Please ask Holimed or its agents to send you their current literature list.

Your Experience

Although bioresonance and electro-acupuncture has now been known for more than 30 years, it is still a topic where are more questions than answers. It remains inaccessible to tests based on physical measuring methods, and the only way to ascertain an effect is through biological systems. The most significant of these is the measurement of acupuncture nodes.

We wish to provide a forum for interested persons to exchange their experiences and perhaps gain new knowledge.

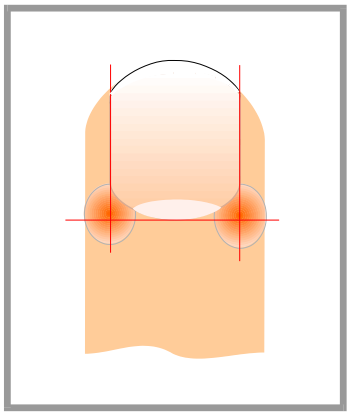
biocheck **Pro**

Additional Information

Hints on Measurement

How to Find the Nodes

We recommend you to take your measurements at the terminal nodes on the fingers and toes. One advantage of these terminal nodes is that they are easy to find. Another is that the readings are sufficiently powerful.



An easy way to find the nodes is - as shown in the illustration - to draw imaginary lines around the nail bed. The points at which the lines cross are the probable locations of the terminal nodes.

However, this is the ideal case. Frequently, the nodes are slightly off-center. In the illustration, this is marked by the red area surrounding the cross. This is where you will find a small "dimple" that you can almost "notch" in.

Here is a rule for testing whether you are at the node:

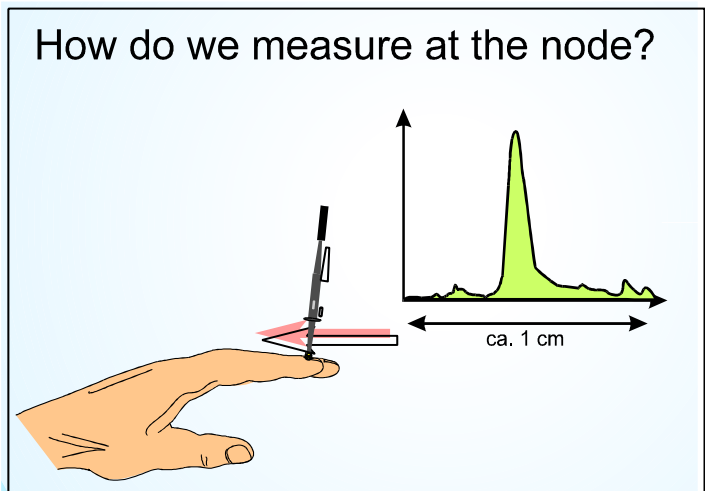
If when measuring, you obtain a reading while pressing down only gently, increase the pressure a little. ***If the subsequent reading remains constant or only fluctuates by +/-2 scale points, then you are at the node.*** *If the reading fluctuates more strongly, then you are only close to the node.*

To start with, you may find it hard to locate the nodes exactly. Particularly when the skin is very dry or calloused, the probe will tend to wander off toward the tip or the middle of the finger. However, this gives you false readings. In the following, you will find some tips on how to avoid this beginner's mistake.

How to Hold the Probe

To obtain a good reading, it is important to hold the probe correctly.

The standard spot electrode has a radius of less than 1 mm at its point and is ground to a parabolic shape. This is a compromise between being too broad and being too pointed. In theory, it would be easier to find the nodes with a broad electrode. However, the measuring error (due to the large skin surface) with such electrodes (at times, they measure up to 3.5 mm in radius) would make the reading rather useless for a Resonance Test. You would also have to press down very firmly. If you are very experienced, you can work with a pointed electrode. However, less experienced persons would probably tend to "torture" their clients with such electrodes rather than obtaining good readings.



Press down the parabolic tip of the electrode gently but firmly on to the surface of the skin at the

acupuncture node as if you wanted to draw a point on the skin with a ballpoint pen. Hold the electrode upright so that the flat side of the parabola does not touch the skin. Otherwise, you may slip off the node or obtain completely false readings.

The following should help you:

The acupuncture node is located in a **small hollow** in the area shown in the illustration. You can almost ride right into this hollow. It is a bit like the situation in classic acupuncture when practitioners say that the needle finds its own way into the node.

- Hold the probe toward the tip as if it were a pen.
- Place the tip of the probe on the finger - close to the fingertip next to the groove of the nail bed.
- Hold the probe so that it points toward the center of the bone (pointing in from the outside radially) and tilt the probe **slightly** (as if you were writing, see illustration).
- Now press down somewhat on the probe (applying approximately the same pressure as you would use when writing with a ballpoint pen).
- Move the probe parallel to the groove of the nail bed in the direction of the first joint - as if you wanted to draw a line (maintaining a moderate pressure).
- While you are gently but firmly moving into the point, make sure you stay in the small hollow.
- This is where the node is located.

Now you have to press - particularly at the beginning - the probe gently into this node and monitor the changes in the tone or on the scale with your ***biocheck***. When the tone (or reading) no longer changes or it fluctuates only slightly, you are at the node.

If You Obtain Hardly Any Reading at All, Then Either:

1. You have not located the terminal node, or
2. the skin is very dry, or
3. the skin is much calloused.

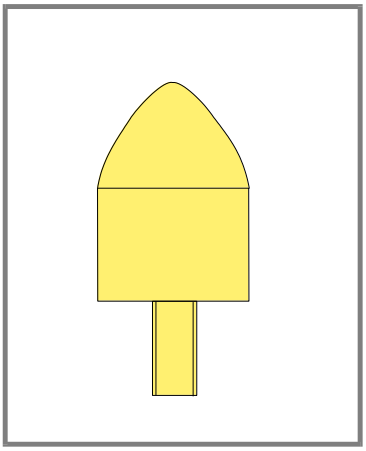
Point 1:

If you have not located the terminal mode exactly enough, then simply repeat the measurement. Occasionally, when you are still inexperienced, you will find that you overshoot the node, and then need to measure it again.

Sometimes nodes are very close to the groove of the nail bed. In such cases, your client will feel a slight pain when measurements take a long time. If this happens, trying switching between the left and right hands or select the control node. If your client continues to exhibit some type of pain sensation, remember that you are applying a strong stimulus to the acupuncture node, and this may well elicit similar reactions to needle acupuncture. Please check whether you have been exerting too much pressure or whether you have to deal with one of the other two situations. Sometimes a node will respond suddenly with pain during a Resonance Test. As a rule, this means that you have placed a highly appropriate substance in the test tray.

Point 2:

If the skin is very dry, you can choose between three options:



1. Prepare a cotton swab or blotting paper (tissue) in a Petri dish or the like containing some water, and touch the swab or blotting paper with the tip of the probe before moving to the skin. Please use only water; salt solutions will lead to different readings. **Attention: Never dip the probe into water. Water may penetrate the threaded core, and then the indicator will not return to "0."**

Or:

2. Moisten the skin slightly with a paper tissue. It should not be wet but only moist; if necessary, wipe it again with a dry towel or your finger.
3. Wind a little gauze around the reference electrode and moisten the gauze slightly. Most of the time, you will find that this does the trick.

Point 3:

If the skin is calloused, more practice helps. Such calluses are generally found in persons who do a lot of manual work or in older persons. The first thing to try is moistening the skin. If this does not work, and you still cannot get a reading at the nodes, try washing the hands.

In those infrequent cases in which persons are very difficult to measure, it may be worth marking nodes that have already been localized with a pen (use either a medical marker or a child's non-poisonous felt tip pen obtainable in any good stationer).

Points 2 and 3:

You can also work with a pH-neutral moisturizing fluid. This should be rubbed into the hands approximately 5 minutes before taking measurements. When measuring, the fluid must already be absorbed into the skin so that the hands feel normal. However, use such fluids only in extreme cases. Normal skin creams frequently produce all-round high - but sometimes also low - readings.

When *biocheck Pro* Emits a High-Pitched Wailing Tone and the Indicator Moves Toward the 100 Mark . . .

. . . then you have probably squeezed a sweat gland. Simply repeat the measurement.

A Few More Words on What We Call "Moisturitis":

Generally, we should accept the people who come to us as they are. If readings tend to be low or difficult to obtain, and you have already acquired a degree of practice in measuring, then this is simply the way things are. It makes little sense to try to improve the readings through moisture (or more pressure). Sometimes we simply have to practice our measuring techniques more.

We recommend moisturizing in the following cases only:

- if the skin is very dry,
- if the skin is very calloused,
- if a client has extremely low blood pressure,
- if a client takes beta blockers,
- if a client takes psychotropic drugs or has undergone cortisone treatment.

Particularly when you first start using ***biocheck***, try not to add moisture unless you really have to. Not only does it make it easy for measurement errors to slip in, but also once you have the habit of adding moisture, it is hard to learn how to measure without it.

A special tip:

Smooth across the acupuncture node with your thumb before each measurement. This will help spread the moisture that is already present, and the slight massage effect will help prevent a premature traumatization of the node.

A point about changing electrodes:
The threads on your electrodes are very fine. When changing an electrode, please screw and unscrew it gently. Make sure that you do not cross the thread when screwing it in. This could damage the threads on either the electrode or the probe.

To avoid this risk of damage, we generally deliver the various electrodes with specific probes for each type of electrode.

It Seems as if I Can't Get the Same Readings Again!

Either you have not measured the node but measured skin resistance elsewhere or you are at a node at which the indicator drops.

You can test the first possibility easily when you are measuring by slightly increasing the pressure on the probe and then reducing it again. If you are at the node, the indicator should fluctuate by no more than approximately plus or minus 2 to 2.5 measuring units.

In the second case, you have to remain at the node when the indicator drops for as long as necessary until the indicator steadies or it reaches the point at which it "topples" (the breakover point; i.e., when the indicator shifts suddenly from a fast drop to a slow one). If you stop measuring too soon and then try to measure the node again, this will frequently force the indicator to drop, and you will obtain a lower reading than before. You will only be able to obtain approximately the same readings as before after a break of 1-2 minutes.

Please always remember these rules when it seems as if measurements cannot be reproduced.

All Readings Are Very High. What Should I Do?

Sometimes, this happens with clients whose hands are very moist. The effect is even more frequent when measuring at the toes.

First of all, check whether your client has been using a skin cream. If so, then wash the client's hands. When taking foot measurements always wipe the foot and particularly round the toes with a tissue. We advise against applying fat-removing or disinfecting/antimycotic agents directly before measurement - unless their application is otherwise indicted.

If, despite this, all readings - particularly at the feet - continue to be around 80 or 100, then you are probably not measuring exactly at the node.

How Much Pressure Should I Apply?

The general rule so far has been that the pressure can go up to 200 ponds but no further. 200 ponds (or approximately 2 Newton) is approximately the weight (the force) of a 200 gram mass.

However, the optimal probe pressure varies from individual to individual, and is generally very much lower. This is why we have also not used spring contacts on the probes, because they would permit only a certain but constant pressure that might be adequate for some people but not for all . This would have made it necessary to change telescopic pins continuously, which we considered impractical.

You will obtain the best results by holding the probe lightly so that it will slide between your fingers when you press firmly.

When you are at the node and, starting with a slight pressure, you slowly press down more firmly, you will notice that the values or tones get higher. Once you reach a certain pressure, there will be no further change. You have reached the maximum probe pressure necessary for this node. Take this measured value for your analyses later. After measuring, you can retrieve this final reading by pressing the "Max" button.

If you were to increase the pressure even more, the reading would hardly rise at all over a broad pressure range, but would then go up again relatively quickly (even persons who are not sensitive to pain would then react painfully). This pressure, however, is very undesirable and would traumatize the node. You would then no longer be able to take measurements at that node for quite a long time. In addition,

your client would not tolerate such high pressures for any length of time.

After a correct measurement, you may notice a slight coloring of the skin around the measurement point.

We have found that ***biocheck Pro*** generally provides clear readings when only a very low pressure is applied. Please do not "torture" your clients by applying too much pressure, particularly at the beginning. Particularly when you start, there is a tendency to want to "force" the readings. This really is not necessary.

What Is the Measuring Procedure?

Enter your readings on a chart like the one printed at the end of this section. This chart provides columns for each terminal node.

- Enter the first base reading of the day in blue ink.
- Choose another color (e.g., red) for follow-up readings measured after a short-term treatment with ***bioswing***.
- If the reading is stable, enter a point. If the indicator rises or drops, enter an arrow pointing from the first to the second reading.
- Measure all Points (esp. if the client visits you the first time)
- Apply a short-term bioresonance treatment with ***bioswing*** (a maximum of 3 minutes basic therapy). This will reduce the impact of temporary local interferences (work stress, bustle, anger, euphoria, etc.) on readings. If you carry out a Resonance Test without short-term bioresonance, there is a strong risk that your reading will be based on everyday interferences, and you will not get to the core of any problem.
- Now measure the nodes again. You will then be able to see clearly which nodes the body is quite capable of regulating by itself and which ones are still, or have become, unfavourable.
- Carry out the Resonance Test. Test the substances in your test set strategically (or, as they say in kinesiology, mentally), and try to find out which substance (or combination of substances) brings the most strongly deviating node back to a normal reading. This substance or combination is the starting point for a selective bioresonance application.
    - Commence at the node producing the strongest drop of the indicator. (Note: If the endocrine system node [ES] is disturbed, start with this node first. This may speed up your work considerably).
    - Then correct the remaining indicator drops.
    - After this, correct the highest reading and, finally, finish up with the lowest one.
    - Please keep to the following rule: (1) indicator drop, (2) highest reading, and (3) lowest reading. This will simply save your time.
    - Readings ranging from 43 to just below 58 are considered normal.

- If you have found a normalizing substance (or combination), then measure all nodes once again to ensure that the substance does not place a strain on another node, and/or:
- After you have performed a specific bioresonance application, use check-up readings to ensure that the transfer has been effective. This is also a good way of showing your client that there is a measurable effect. This helps to activate your client's analytical, rational reasoning, thus focusing the psyche

that little bit more on healing.

With increasing familiarity, you will be able to leave out the base readings before short-term bioresonance with *bioswing* and use only the subsequent readings in your further work.

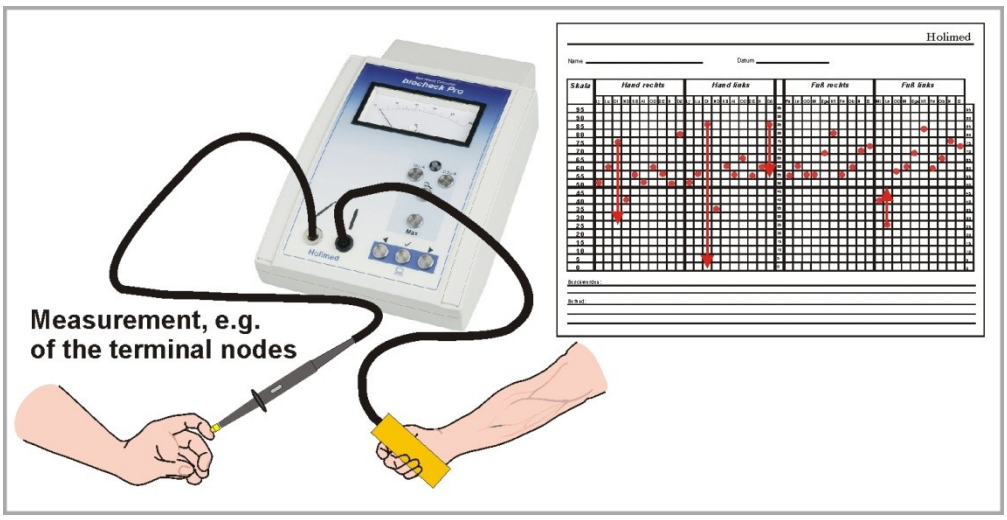
We shall now deal with various possible setups:

Various Possible Setups

Basic Measurement

Ask your client to remove all watches, bracelets, rings, and also glasses. Some glasses (or contact lenses) have proved to have an unfavourable impact on the acupuncture nodes.

To carry out this measurement, all you need is the basic ***biocheck Pro*** instrument and a chart for the readings.



Insert the reference cable (the one with a black IEC safety plug at each end) into the appropriate jack on your ***biocheck Pro***. Insert the other end into the brass hand electrode.

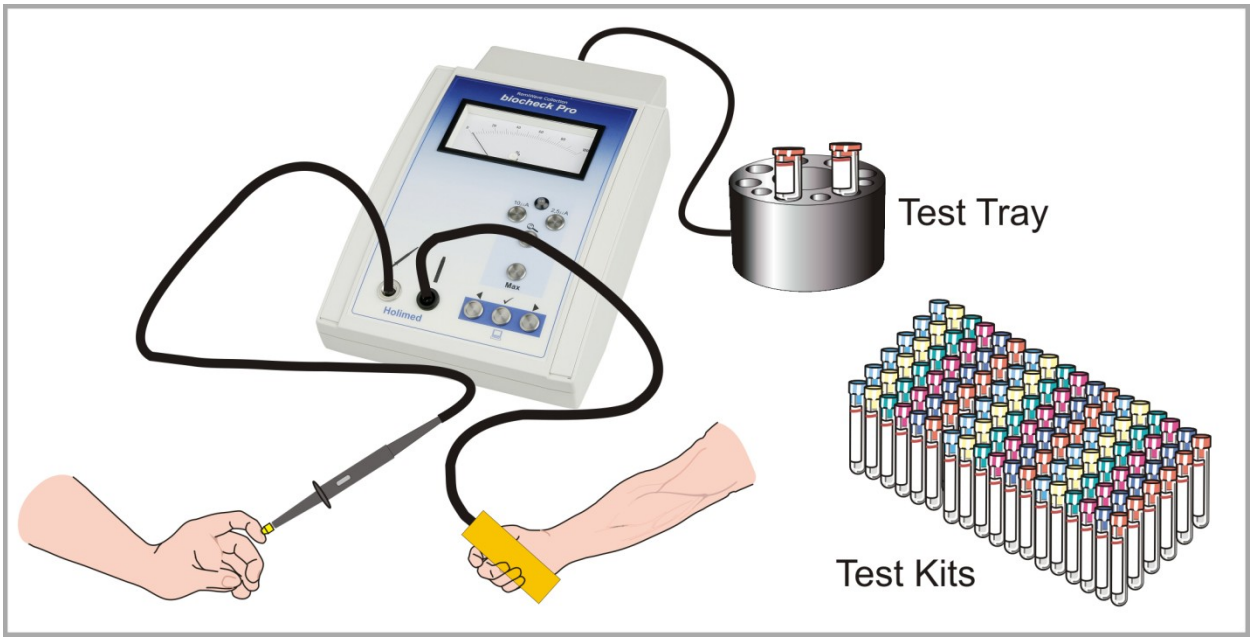
Insert the probe into its appropriate jack. The plug will fit in only one direction. The best way to insert it is to turn the plug in the jack while exerting a gentle pressure. When you reach the right position, it will simply "lock in," and you can screw down the retaining ring. This retaining ring prevents the connection from working loose inadvertently during measurement.

Now switch on your ***biocheck Pro***. You can start taking readings. Enter the values on the chart. This provides you with a ready reference to your clients acupuncture profile that you can use for control purposes during the session and over the course of several sessions.

If you leave your ***biocheck Pro*** switched on for several minutes without carrying out any measurements, it will switch itself off automatically. If you want to switch it off explicitly, simply press the Start/Stop button again.

<u>Note</u>: At the back of the instrument, you will find an additional plug that is connected parallel with the reference plug. If cables get in your way at the front of the instrument, you may also connect the test tray or the reference cable to this plug at the back.

Measuring With a Test Substance



To perform this measurement, you will need:

- a basic ***biocheck Pro*** instrument
- a test tray,
- a test set, and
- a reading chart or the recording software for PCs.

After recording the status of the nodes with the basic measurement, select the node that - as described above - shows the strongest drop of the indicator. If several nodes show similar readings, then choose the node that you consider to be most important for the following measurement (if one of them is the ES node, it has proved worthwhile to test this first). Now look for test substances that bring this node into balance. A lower or higher node should stabilize as close to a reading of 50 as possible.

It has been found generally that the best practice with the Resonance Test is to start with global tests and then narrow the tests down systematically. A frequent recommendation is to start with the following test sequence before narrowing down the field:

- geopathic exposure
  (consequence: move the bed into other position),
- electromagnetic exposure
  (consequence: check for interference from a mobile phone, the proximity of high-tension cables, radio instruments, leaking microwaves, etc.), and, if necessary,
- radioactive exposure
  (e.g., natural radon exposure from granite, frequent air travellers, old watch with luminous dials, old current-free tritium emergency lighting in your working environment, exposure to x-rays, radiotherapy, etc.).

If such exposures are present, you will generally have to engage in some "detective work" to isolate their source.

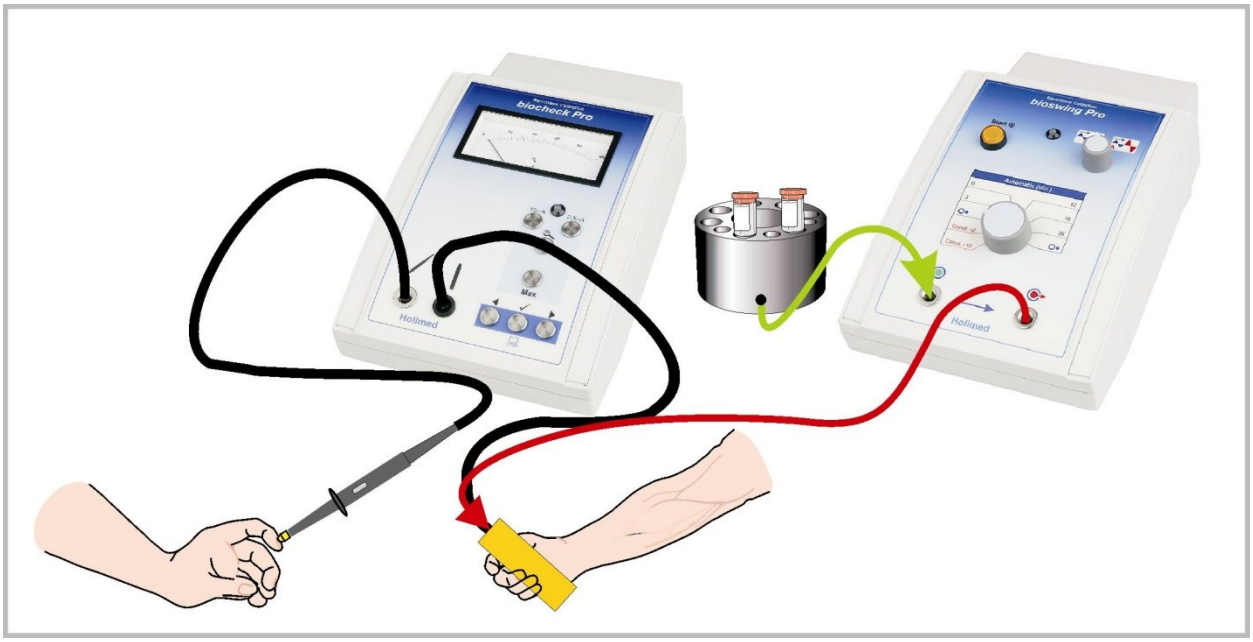
After working through these general types of exposure, proceed in line with your test set from general to specific tests, taking into consideration the information you already possess on the client's case

history.

The outcome of the test should be that you have found between one and four substances that bring the acupuncture nodes into balance. If you have found a larger number of substances, either you may be faced with an exceedingly complex problem or a measurement error has occurred (e.g., through traumatizing a node). Experienced users recommend testing all the nodes again with the positive substances. When an effective substance has been found, all nodes should have moved toward balance. However, this does not mean that all the nodes with previously higher or lower readings should now be at 50. For a single session, it is enough to bring the most strongly pathognomonic readings (i.e., those indicating a possible illness) into balance and see at least some improvement in other readings. After a homeopathic treatment or a ***bioswing*** application with the selected substance, the problem areas can be narrowed down further in subsequent sessions.

You can now use the selected substance itself or introduce it to a bioresonance application.

Measuring a Test Substance in Inverse Mode



To perform this measurement, you will need:

- a basic ***biocheck Pro*** instrument,
- a ***bioswing*** instrument,
- a test tray, and
- a reading chart or the recording software for PCs .

The principle underlying this measurement is similar to the one before. The major difference is that the testing is carried out in inverse mode.

The most frequent application for this setting is to look for allergies and "cancel them out."

Set up the equipment as follows:

1. Use the ***bioswing Pro*** the red output cable to connect the ***bioswing Pro*** output with the reference electrode. Do this simply by inserting the one IEC safety plug into the contact jack of

the other.

2. Connect the green input cable of your ***bioswing Pro*** to the test tray.
3. Shift the phase toggle switch on your ***bioswing Pro*** into **Inverse**.
4. Turn the rotary selector on your ***bioswing Pro*** to a low amplification (e.g., x2) in the Constant mode.
5. Start both ***biocheck Pro*** and ***bioswing Pro*** and carry out your measurements. While ***bioswing Pro*** is working, the waves of the test substance (A) will be inverted, amplified, and fed to the client over the reference electrode (B).

If, when using this setting, you have found a substance that produces the desired effect in inverse mode, then you can use it to carry out a specific bioresonance application. Detailed information about this test is available in the ***bioswing Pro*** operating manual and in our Customer Service Brochure on allergies.

Based on this overview of the most important setups, you can now refer to the literature to develop further variants.

We consider all settings equally valuable. Please select the variants that you feel you can handle best, and start with the simple setups. Move on to the next when you are confident about assembling the setup and are able to use it in daily practice without any hitches. If you start with complex settings, you may well find that you have connected one of the cables wrong and that treatment is unsuccessful. Then you may lose your confidence unnecessarily and no longer enjoy experimenting, which would be a pity.

For Further Setups . . .

When using your own further setups, please note that:

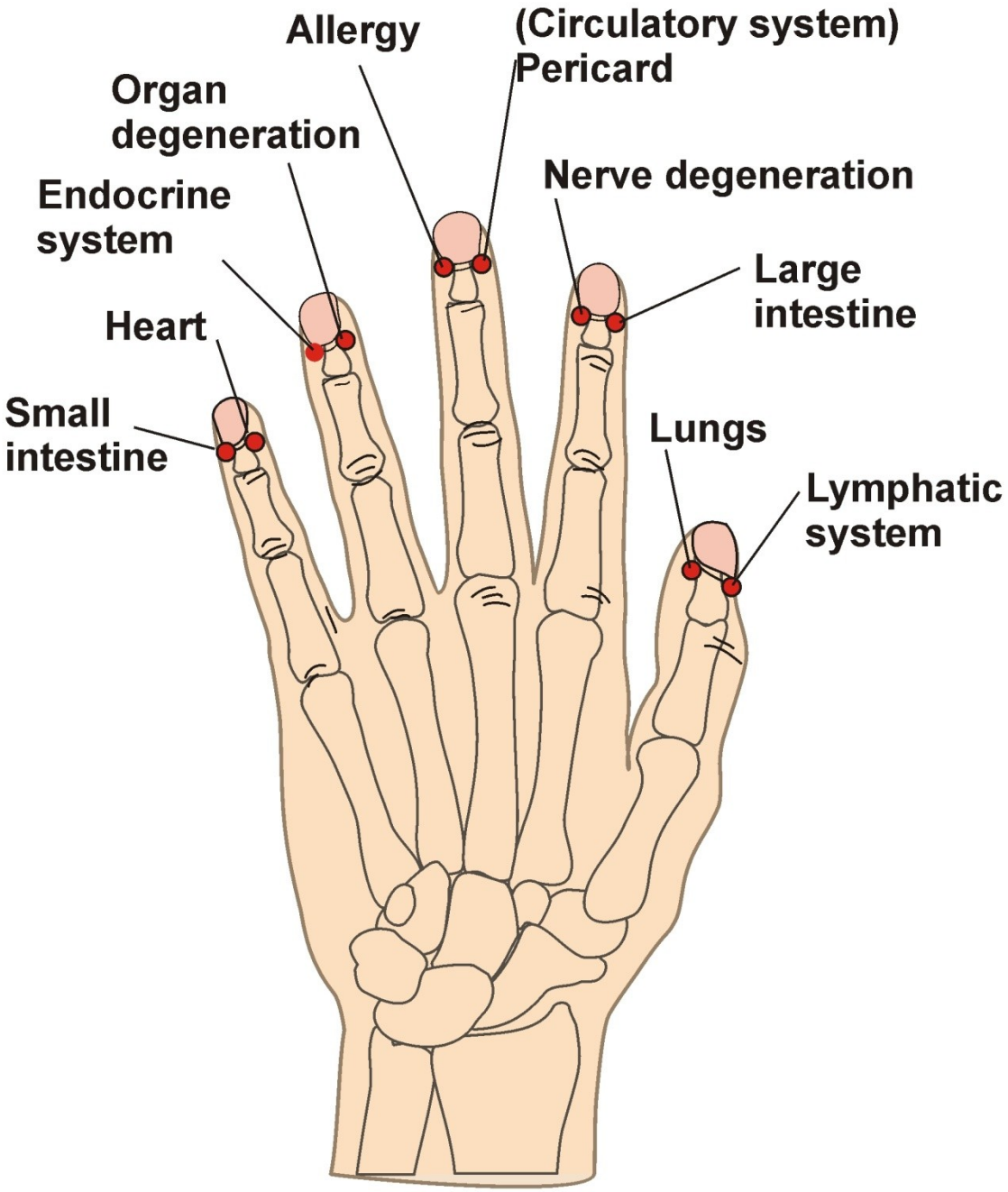
The metal of the probe electrodes must match that of the reference electrode.
Pure brass on pure brass.
(or gold on gold, silver on silver [for BFD].
However: In this case, scale readings will no longer comply with Dr. Voll's calibrations!)

Pictures and Form Template

On the following pages, you will find helpful pictures of the nodes on the hands and feet.

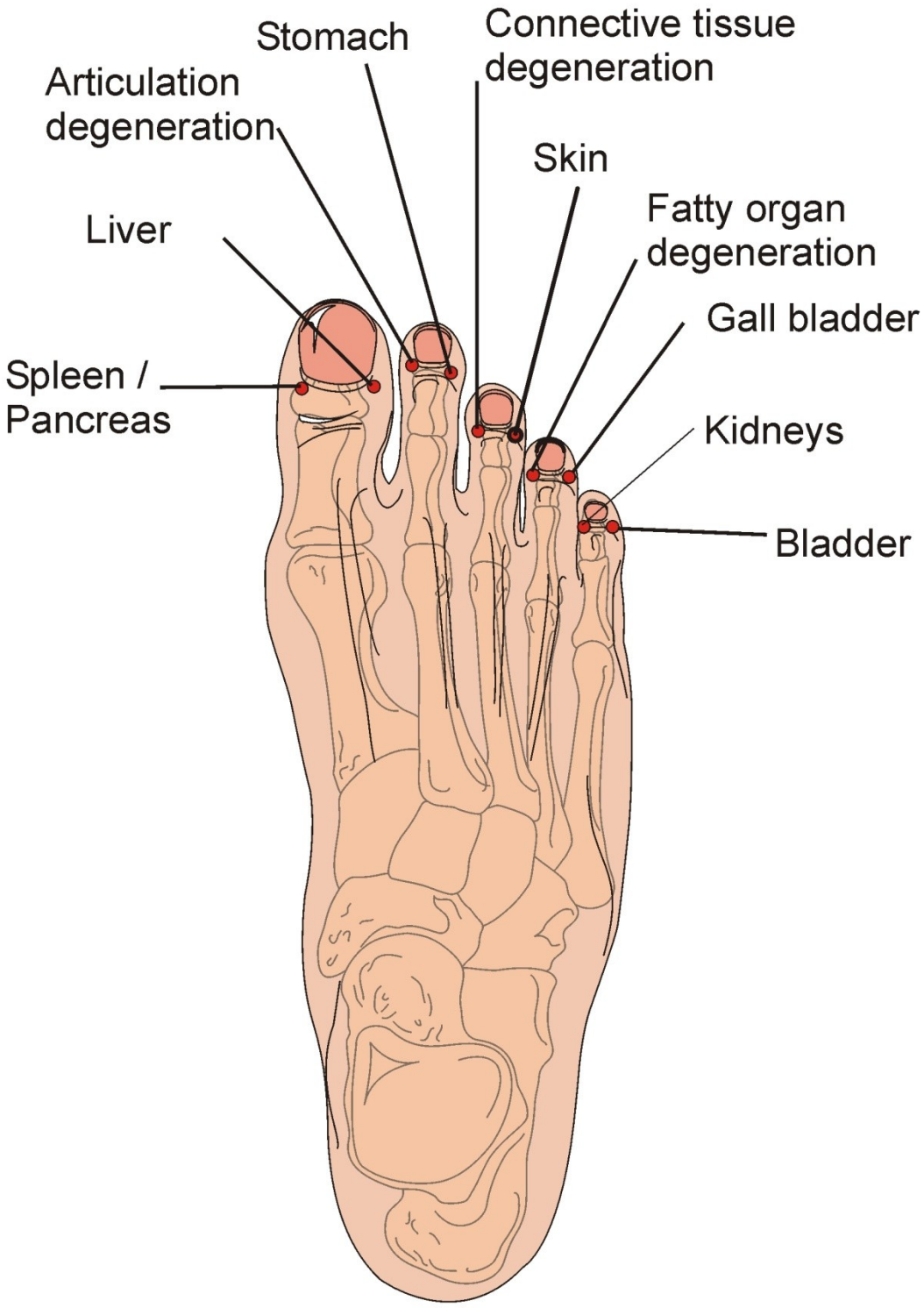
In addition, there is a sample form for recording your measurements. You may copy this form for your work with the ***biocheck Pro*** instrument.

The test nodes
(hands)



 File: E-hand

The test nodes
(feet)



 File: E-feet

Name _____ Date _____

Scale reading	Right Hand										Left Hand											Right Foot										Left Foot										
	LY	LU	LI	NS	PE	AL	OD	TW	HT	SI	LY	LU	LI	NS	PE	AL	OD	TW	HT	SI		PA	LV	JT	ST	CT	SK	FD	GB	KI	BL	SP	LV	JT	ST	CT	SK	FD	GB	KI	BL	
95																					95																					95
90																					90																					90
85																					85																					85
80																					80																					80
75																					75																					75
70																					70																					70
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10																					10																					10
5																					5																					5
0																					0																					0

Remarks: _____

Tested Preparations: _____

Note: LY = Lymph; LU = Lung; LI = Large Intestine; NS = Nerve System; PE =Pericard ("Circulation"); AL = Allergy; OD = Organ Degeneration; TW = Tripple Warmer; HT = Heart; SI = Small Intestine.
SP = Spleen; PA = Pancreas; LV = Liver; JT = Joints; ST = Stomach; CT = Connective Tissue; SK = Skin; FD = Fatty Degeneration; GB = Gall Bladder; KI = Kidneys; BL = Bladder

 File: E-meas-form2

Index

Specifications *biocheck Pro*	
Power supply	4 NiMH batteries, 1,5V, 3000-4500mAh Baby cells, size C
Temperature range	10 to 50 degrees Celsius, living room conditions. Keep away from heat and direct sunlight. The temperature can rise above the permissible limits.
Measuring range	0-100 (workspace according D.r Voll's transfer function: 10 - 90)
Readings	According Dr. Voll's mapping curve of the measured resistance on the scale
Output voltage at idle	max. +2,5V
Output current at short-circuit between the reference and probe	< 3uA, 2,5uA typical in biocheck-mode < 15uA, 12uA typical in the "EAV High Current mode"
CE certification by TUV Rheinland	EN60601-1-2:2007, Kap./ chapter 6 EN55011:2009 + A1:2010, Grenzwertklasse / ClassB