



# OPERATING INSTRUCTIONS

## IONTO-SONO EFFECT

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IONTO Health & Beauty GmbH  
Greschbachstr. 3  
D-76229 Karlsruhe  
Telefon +49 (0) 721 / 97 70-0  
Telefax +49 (0) 721 / 97 70-290  
Email: [sales@ionto.de](mailto:sales@ionto.de)  
[www.ionto.de](http://www.ionto.de)

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# Safety Instructions



The IONTO-SONO Effect is referred to below as a device.

- Carefully read this instruction manual before using the device and ensure that all directions and instructions contained are fully understood. It includes important safety information for setting-up, operation and maintenance.
- If the device is used for any purpose other than that for which it was designed and as described in this instruction manual, such use will invalidate the manufacturer's warranty and guarantee!
- The device may only be opened by the manufacturer or by an expert authorised and approved by the manufacturer.
- When the device is unpacked, check the contents of the delivery to ensure that all parts have been included and that nothing has been damaged during transit. In the event of any doubt, please contact our customer service department.
- Never use with a damaged mains power supply cable. Do not jam or kink the cable and do not allow it to rest on any hot object (e.g. radiator, lamp, etc.).
- Should any damage to the mains cable be found, switch OFF immediately and disconnect from the power supply. Before further use please consult our customer service department.
- Before connecting to the mains power supply, ensure that the voltage (V) shown on the type plate corresponds with the power supply available.
- Under no circumstances may the mains plug be removed from the socket with wet hands. Never attempt to remove the plug by pulling the connecting cable.
- Do not use in damp surroundings, nor splash or immerse in liquid.
- Should any liquid or foreign body enter the inside of the device, immediately switch OFF and disconnect from the mains power supply. Before further use consult our customer service department.
- Never use the Ultrasound handpieces to work in body orifices.
- Before starting work, allow the device to adjust to the ambient temperature.
- Always isolate from the power supply by disconnecting the mains plug before cleaning or replacing a fuse.

# General information

The IONTO-SONO® effect is an Ultrasound treatment device with two new technologies which considerably increase the effectiveness of cosmetic and dermatological treatment. These additional technologies are LDM (Local Dynamic Micromassage) and the use of ultrasound waves with frequencies of 10 MHz.

The device is extremely user friendly and the treatment can be performed either directly, or by using one of the 14 pre-set programs available in the indication menu. A clearly and easy menu navigation simplifies the application.

To ensure that the ultrasound coupling is effective, an optical coupling control has been incorporated into the ionto-sono® effect which monitors the even distribution of contact gel between the Ultrasound handpiece and skin surface. The high-quality Ultrasound handpieces are fitted with ring shaped LED contact indicators to provide the highest level of safety.

## Ultrasound Frequencies

Ultrasound is the term used with a frequency above 20 kHz – 10 MHz.

It functions with the frequencies of 1 MHz, 3 MHz und 10 MHz.

The working effect and penetration depth of ultrasound are determined mainly by the frequency.

- 10 MHz – 0.3 mm      Epidermis
- 3 MHz – 1.0 cm      Epidermis, Dermis, partial subcutis
- 1 MHz      up to the metaphysis of the bones

## LDM Technology

The LDM technology is based upon a change of ultrasound frequencies at high speed (between 100 and 1000 times per second). The result is a pulsation in the tissue of pressure gradients. This means a new type of micro-massage, the Local Dynamic Micromassage with unique activity spectrum.

The LDM with 3/10 MHz is basically used for facial treatments and 1/3 MHz for body treatments.

This micro-massage can activate the reproduction of collagen, as well as decrease the degradation. Furthermore, it can also lead to a lifting and conformation of collagen fibers.

### *Field of LDM Treatment technology*

LDM treatments have effects on the following conditions:

- Rejuvenating treatment, removal and reduction of wrinkles
- Acne scars and acne treatment
- Scar treatment
- Body shaping, tightening of connective tissues
- Liposuction after care
- Cellulite treatments
- Pregnancy / stretch marks
- Infiltration of substances

### *Coupling Medium*



We recommend SONO contact gel neutral (art. no. 8422.009) or SONO contact gel AEC (art. no. 8432.004) which don't contain preservatives, perfume oil as well as dyestuffs and alternatively SONO contact gel ALOE VERA (art. no. 8422.002) with skin moisturizing effect.

For the LDM ultrasound treatment basically you can use any kind of preparation from your institute, as for example gels, ampules, etc.

The products should of course be chosen according to skin condition and treatment effect.

The preparations usually don't offer a sufficient interconnection. Therefore it is important to use ultrasound gels in addition.

### *Coupling Control*

To ensure that the ultrasound coupling is effective, an optical coupling control has been incorporated into the ionto-sono® effect.

Each Ultrasound handpiece is fitted with a special ring-shaped illuminated contact indicator.

This contact indicator is activated when the contact between Ultrasound handpiece and skin is adequate and an optimal transfer of ultrasound energy is possible.

When contact is inadequate the ultrasound emission will be interrupted. This guarantees the effect throughout the complete treatment.

# Contraindications



INFO

Im Zweifelsfall sollten Sie Rücksprache mit einem Arzt halten.



INFO

Führen Sie vor jeder Ultraschallbehandlung ein ausführliches Aufklärungsgespräch mit dem Kunden.



INFO

Bitte lesen Sie für ausführliche Informationen die Behandlungsanleitung!



INFO

Only healthy persons should be treated.

## General contraindications

- Brain
- Spinal cord
- Eyes and lids
- Thyroid
- Gonads (reproductive organs)
- Heart
- Areas of growing bones ( in the case of juvenile clients)

## Diseases

Ultrasound must not be applied to any part of the body if the following diseases are present:

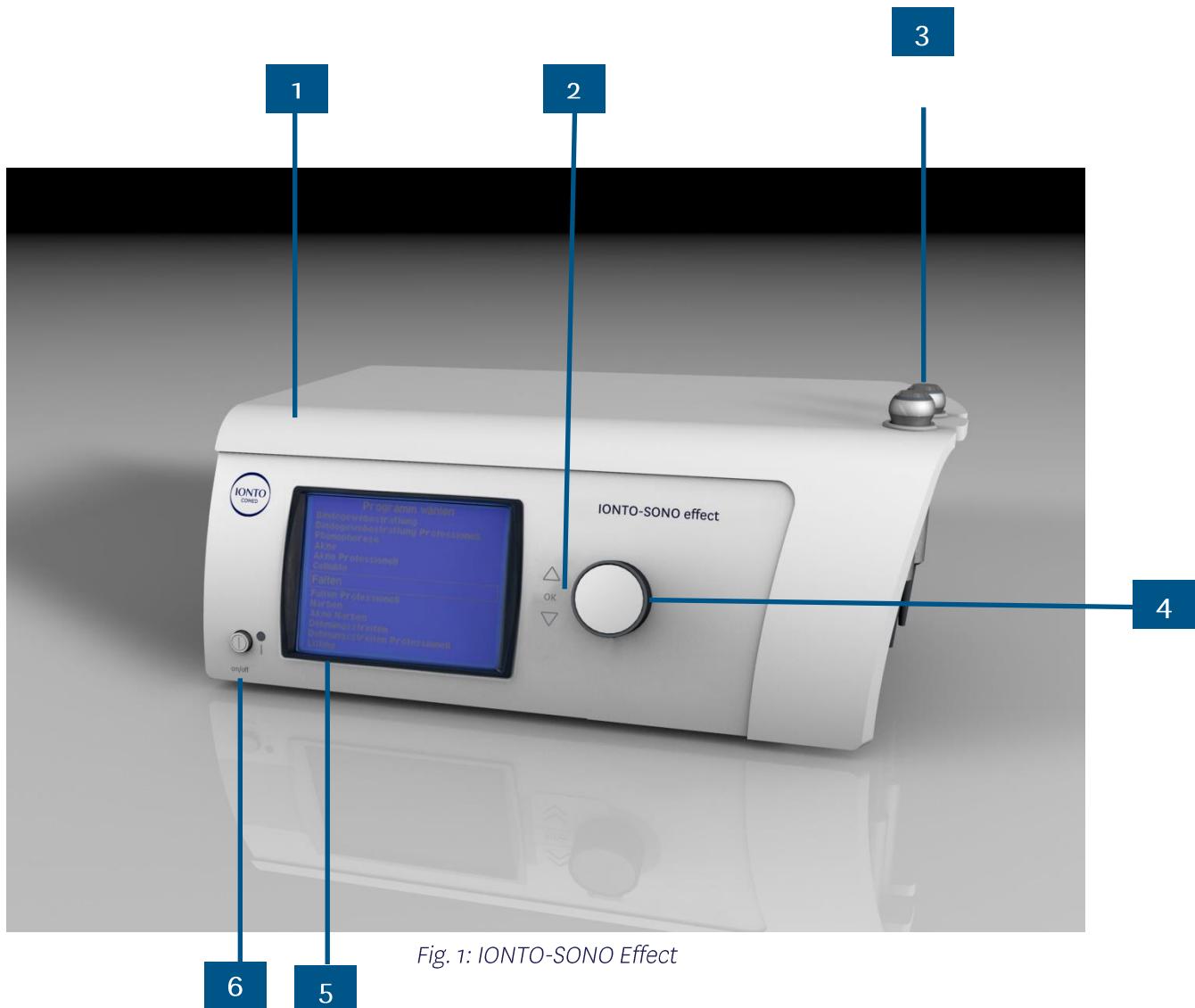
- Heart disease and heart pacemaker
- Cancer and actual or suspected malignant tumours
- Disorders of the nervous system, such as Parkinson's disease and epilepsy
- Persons with implanted insulin pumps

## Other contraindications

- Pregnancy
- Bacterial infections of the skin (e.g. furuncle/boils, carbuncles, erysipelas, tuberculosis)
- Feverish illness
- Damaged skin (e.g. open wounds, inflammation)
- Operation scars, earlier than three months following the operation
- Thrombosis
- Blood clotting disorder
- Areas of severe circulatory disturbance
- In the event of any doubt, consult a doctor!

# Control Elements and Connections

## IONTO-SONO Effect



1	case	2	OK-button
3	Ultrasound handpiece	4	Selection knob
5	Display	6	Switch on and off button

# Installation

## Device

### *Connecting the Device to the Mains Power Supply*

To connect the device to the mains power supply:

1. Ensure that the voltage requirements shown on the device identification plate correspond with the mains power supply available.
2. Connect the mains cable to the mains socket on the rear of the device.
3. Connect the cable to the mains power supply.

The device is connected.

### *Connecting the Ultrasound handpiece*



#### INFO

Ensure that a Ultrasound handpiece is connected before starting the treatment.

To connect the Ultrasound handpiece:

1. Insert the plugs from the Ultrasound handpieces into the sockets on the right side of the device.
  - The device performs a continual check to ensure that the Ultrasound handpieces are correctly connected.
2. Securely screw the plug onto the socket to avoid its unintentional removal.
3. Put the Ultrasound handpieces in the holder on the side of the device.

The ultrasound handpiece is connected.

### *Switching the Device ON*



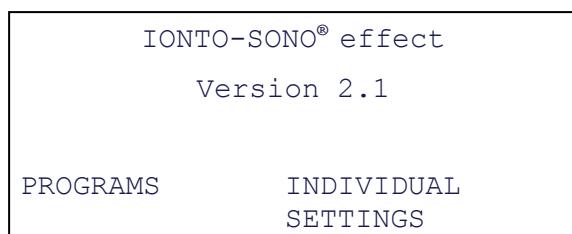
#### INFO

In the case of treatment to be performed, ensure that before IONTO-SONO® effect is switched ON the activated ultrasonic head is in a clean condition.

To switch the device on:

- Switch the main switch on the rear of the device to ON (position < I >).
- An acoustical signal sounds.
- The welcome message with the IONTO-COMED logo will appear briefly in the display following the device name and the program version will be shown.

The device is switched on.

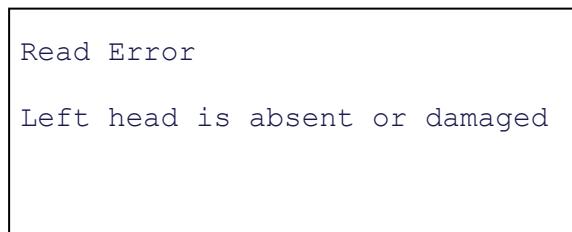


## ***Self-test***

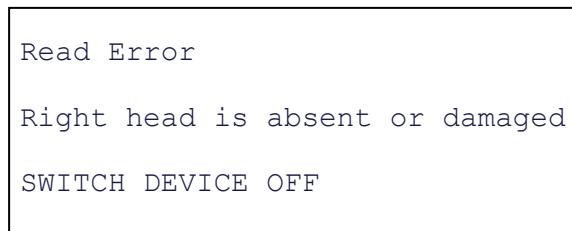
 **INFO** The device performs a self-test to check the functions and values.

To perform a self-test:

- The device performs a continual check to ensure that the Ultrasound handpieces are correctly connected.
- If a Ultrasound handpiece is disconnected for any reason, the following error message will appear:



- Press the selection knob **4**.
- The following message will appear:



- Switch the main switch on the rear of the device to OFF (position < o >).
- Connect the Ultrasound handpieces (see page 12).
- Switch the main switch on the rear of the device to ON (position < l >).

The device is now ready for use.

# Operation

## Basic Settings



INFO

The chosen and entered settings will remain stored also when the device is switched OFF.

The menu allows altering such settings of the device as language, volume and contrast

### *Entering the Basic Setting Menu*

To enter the basic setting menu:

- Press the selection knob **4** during the time the welcome text is shown in the display to enter the Basic Settings Menu.

The basic setting menu is entered.

### *Setting the Language*



INFO

The available text languages are German, English and Russian.  
The pre-set text language is German.

To set the language:

1. Turn the selection knob **4** to select „Language“.
2. Press the selection knob to confirm your selection.
3. Turn the selection knob to choose the required language.
4. Press the selection knob to confirm your choice.
  - The display will show the chosen language.
  - Following conformation the display will enter the Volume Setting.

The language is set.

### *Setting the Volume*



INFO

The volume of the internal signal can be set from 0 to 100 % in increments of 5 %. The volume level is preset to 25 %.

To set the volume:

1. Turn the selection knob to select „Volume“.
2. Press the selection knob to confirm your selection.

3. Turn the selection knob to set the required volume.
4. Press the selection knob to confirm your setting.
  - A signal tone will sound during setting to indicate the current volume level.
  - Following conformation the display will enter the Contrast Setting.

The volume is set.

## *Setting the Contrast*

 **INFO** The display contrast can be set from 0 to 100 % in increments of 5 %.  
The contrast level is preset to 55 %.

**To set the contrast:**

1. Turn the selection knob to select „contrast“.
2. Press the selection knob to confirm your selection.
3. Turn the selection knob to set the required contrast.
4. Press the selection knob to confirm your setting.
5. Following conformation the display will return to the Main Menu.

The contrast is set.

## *Exit the Basic Setting Menu*

**To exit the basic setting menu:**

1. Turn the selection knob to select „Menu“.
2. Press the selection knob to exit the settings menu and enter the Main Menu.

The basic setting menu is exit.

## *Main Menu*

 **INFO** When the device is switched ON (and following a brief appearance of the welcome message) the main menu will appear and can be directly accessed.  
  
Turn the selection knob to choose between „Programs“ and „Settings“. Confirm the choice by pressing the selection knob.

## Programs



INFO

A detailed description of the treatment programs is found on page 24.

There are 14 different fixed programs available:

- Wrinkles
- Wrinkles - Professional
- Scars
- Acne Scars
- Stretch Marks
- Stretch Marks - Professional
- Lifting
- Lifting - Professional
- Connective Tissue Lift
- Connective Tissue Lift - Professional
- Phonophoresis
- Acne
- Acne Professional
- Cellulite

### *Choosing a Treatment Program*

To chose a treatment program:

1. Turn the selection knob to select „Program“.
2. Press the selection knob to confirm your selection.
3. Turn the selection knob to select the required program.
4. Press the selection knob to confirm your selection.
5. Following conformation the display will show all pre-set treatment parameters.

The program is chosen.

### *Starting the Treatment Program*

To start the treatment prgram:

1. Turn the selection knob to select „Start“.
2. Press the selection knob to start the treatment program.
  - The display will show the remaining treatment time.

- To return to the program selection, select „Back“.
- To return to the main menu, select “Menu”.
- To interrupt or stop the treatment prematurely, select „Stop“.
- To continue the treatment, select „Continue“.
- Following completion of the treatment time an acoustic signal will sound and the display will return to the submenu “Programs”.

The treatment program is started.

## *Interrupting the Treatment Program*

To interrupt the treatment program:

- The treatment program can be interrupted during the treatment at any time.

1. Turn the selection knob **4** to select „Stop“.
2. Press the selection knob to interrupt the treatment program.

- The treatment time will be stopped.
- The display will show the remaining treatment time.

The treatment program is interrupted.

## *Continuing the Treatment Program*

To continue the treatment program:

1. Turn the selection knob **4** to select „Continue“.
2. Press the selection knob to continue the treatment program.

The treatment program continued.

## *Stopping the Treatment Program prematurely*

To stop the treatment program premature:

1. Press the selection knob to stop the treatment program prematurely.
2. Turn the selection knob to select “Back”.
3. Press the selection knob to confirm your selection.
4. Choose a new treatment program (see page 16) or select “Menu” to return to the main menu.

The treatment program is stopped prematurely.

## Device

### *Switching the Device OFF*

To switch the device off:

- Switch the main switch on the rear of the device to OFF (position < o >).

The device is switched off.

## Individual Settings



INFO

All treatment parameters relevant to the treatment could be set individually.

## Ultrasound handpiece

### *Choosing the Ultrasound handpiece*

There are 3 different Ultrasound handpieces available:

- Head 1: size 1.2 cm<sup>2</sup>, frequencies of 3 MHz and 10 MHz, LDM 3/10 MHz, for facial applications
- Head 2: size 2.5 cm<sup>2</sup>, frequencies of 1 MHz and 3 MHz, LDM 1/3 MHz, for facial and body applications
- Head 3: size 5.0 cm<sup>2</sup>, frequencies of 1 MHz and 3 MHz, LDM 1/3 MHz, for body applications

To choose the ultrasound handpiece:

1. Turn the selection knob to select „Head“.
2. Press the selection knob to confirm your selection.
3. Turn the selection knob to choose a Ultrasound handpiece.
4. Press the selection knob to confirm your choice.

The ultrasound handpiece is chosen.

### *Setting the Frequency*

To set the frequency:

1. Turn the selection knob to select „Frequency“.
2. Press the selection knob to confirm your selection.
3. Turn the selection knob to set the frequency.

4. Press the selection knob to confirm your setting.

The frequency is set.

## ***Selecting the Treatment Mode***

The ionto-sono® effect offers following treatment modes:

- Continuous ultrasound with TV=1:1
- Impulse Sound with TV = 1:2 (impulse = 5 ms, pause = 5 ms)
- Impulse Sound with TV = 1:5 (impulse = 2 ms, pause = 8 ms)
- Impulse Sound with TV = 1:10 (impulse = 1 ms, pause = 9 ms)
- LDM Technology with a switching time of 1 ms (1.000 Hz)
- LDM Technology with a switching time of 2 ms (500 Hz)
- LDM Technology with a switching time of 5 ms (200 Hz)
- LDM Technology with a switching time of 10 ms (100 Hz)

To select the treatment mode:

1. Turn the selection knob to select „Mode”.
2. Press the selection knob to confirm your selection.
3. Turn the selection knob to choose the treatment mode.
4. Press the selection knob to confirm your choice.

The treatment mode is selected.

## ***Setting the Intensity***



**INFO**

The ultrasound intensity for all Ultrasound handpieces can be set with the selection knob in increments of 0.1 W/cm<sup>2</sup>.

To set the intensity:

1. Turn the selection knob to select „Intensity”.
2. Press the selection knob to confirm your selection.
3. Turn the selection knob to set the intensity.
4. Press the selection knob to confirm your setting.

The intensity is set.

## ***Setting the Treatment Time***



**INFO**

The treatment time can be set with the selection knob from 1 to 60 minutes in increments of 1 minute.

### To set the treatment time:

1. Turn the selection knob to select „Time”.
2. Press the selection knob to confirm your selection.
3. Turn the selection knob to set the time.
4. Press the selection knob to confirm your setting.

The treatment time is set.

### *Starting the Treatment*

#### To start the treatment:

1. Turn the selection knob to select „Start”.
2. Press the selection knob to confirm your selection.
3. The display will show the remaining treatment time.
  - To return to the Individual Setting Menu, select „Back“.
  - To return to the main menu, select “Menu”.
  - To interrupt or stop the treatment prematurely, select „Stop“.
  - To continue the treatment, select „Continue“.
  - Following completion of the treatment time an acoustic signal will sound and the display will return to the submenu “Settings”.

The treatment is started.

### *Interrupting the Treatment*



The treatment program can be interrupted during the treatment at any time.

#### To interrupt the treatment:

- Press the selection knob to interrupt the treatment program.
- The treatment time will be stopped.
- The display will show the remaining treatment time.

The treatment is interrupted.

### *Continuing the Treatment*

#### To continue the treatment:

1. Turn the selection knob to select „Continue“.
2. Press the selection knob to continue the treatment program.

The treatment is continued.

### ***Stopping the Treatment prematurely***

To stop the treatment program prematurely:

1. Press the selection knob to stop the treatment program prematurely.
2. Turn the selection knob to select “Back”.
3. Press the selection knob to confirm your selection.
4. Set the new treatment parameters (see page 18) or select “Menu” to return to the main menu.

The treatment program is stopped prematurely.

### ***Switching the Device OFF***

To switch the device off:

- Switch the main switch on the rear of the device to OFF (position < o >).

The device is switched off.

## Treatment

 **INFO**

Dynamic treatment!

The Ultrasound handpiece must always be kept in motion over the skin surface.

Ensure to apply always a contact gel to the skin, e.g. SONO contact gel neutral to avoid unpleasant heat production.

The treatment has to be stopped immediately when unpleasant sensations occur.

## Preparing the Treatment

 **INFO**

Before treating you should offer your client a consultation to explain the mode of action as well as possibilities and limitations of the LDM treatment effects.

Conducting this consultation prevents your clients from unrealistic expectations.

In addition you should underline the necessity of homecare and the following of treatment recommendations, such as 2 treatment sessions per week in terms of a treatment program.

Check possible contraindications in advance. We recommend to keep record of the treatment successes with pre- and after treatment pictures.

## Applying Care Products

 **INFO**

The skin is cleaned and peeled before the treatment.

### To apply the care products:

1. Apply the care products, such as ampules, manually to the skin.
2. Apply an interconnecting medium, such as an ultrasound gel, with a brush partially to the treatment area.
3. Two handed work mode: one hand holds the Ultrasound handpiece and the other a brush with contact gel to re-apply if necessary.
4. Treat one side of the face after the other.

The care products are applied.

## Choosing a Treatment Program

### INFO

We recommend to use the preset programs. The ideal treatment data and durations are already stored and the program easily leads you through the treatment.

Choose the program according to skin condition.

### INFO

The „PROFESSIONAL“ programs are more time intense and therefore work highly effective.

Choose a treatment program (see page 16).

Start the chosen treatment program (see page 16).

## Frequency of treatment intervals

### INFO

You have the possibility to integrate the LDM treatment into your existing treatments – for example during the regular 6-week appointments.

Or you offer a treatment program of 6 to 12 sessions.

It is advisable to combine the different preset programs according to skin condition throughout the treatment sessions.

For an anti-aging treatment program the program „WRINKLES“ can be complemented during the next session with the program „LIFTING“.

### INFO

Important for the treatment success is a treatment frequency of two sessions per week.

A refreshment treatment should then be applied every 2 to 3 months.

# Treatment Programs

## Scars

- Treatment Area: Scars
- Ultrasound handpiece: 3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 10 minutes
- No. of Sessions: 6-8
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm <sup>2</sup>	TIME, min
10	1:2	1.5	3
10	1:1	1.0	3
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	4

## Acne Scars

- Treatment Area: Face, back
- Ultrasound handpiece: 3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 20 minutes
- No. of Sessions: 6-8
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm <sup>2</sup>	TIME, min
10	1:2	1.5	3
10	1:1	1.0	3
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	4
10	1:2	1.5	3
10	1:1	1.0	3
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	4

## Treatment Sequence:

- A signal tone will sound after 10 minutes.
- The treatment side must then be changed.

## Wrinkles

- Treatment Area: Face
- Ultrasound handpiece: 3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 20 minutes
- No. of Sessions: 10-12
- Treatment Interval: at first 2x weekly  
after 3-4 weeks 1x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm <sup>2</sup>	TIME, min
10	1:1	1.0	5
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	5
10	1:1	1.0	5
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	5

### Treatment Sequence:

- A signal tone will sound after 10 minutes.
- The treatment side must then be changed.

### *Wrinkles Professional*

- Treatment Area: Face
- Ultrasound handpiece: 1/3 MHz, size 2.5 cm<sup>2</sup>
- oder 1/3 MHz, Größe 5.0 cm<sup>2</sup>
- 3/10 MHz, Größe 1.2 cm<sup>2</sup>
- Treatment Time: 40 minutes
- No. of Sessions: 10-12
- Treatment Interval: at first 2x weekly  
after 3-4 weeks 1x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm2	Time, min
10	1:1	1.0	5
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	5
10	1:1	1.0	5
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	5
LDM 1/3	10 ms	1 MHz $\Rightarrow$ 1.0 3 MHz $\Rightarrow$ 1.0	5
LDM 1/3	1 ms	1 MHz $\Rightarrow$ 1.0 3 MHz $\Rightarrow$ 1.0	5
LDM 1/3	10 ms	1 MHz $\Rightarrow$ 1.0 3 MHz $\Rightarrow$ 1.0	5
LDM 1/3	1 ms	1 MHz $\Rightarrow$ 1.0 3 MHz $\Rightarrow$ 1.0	5

#### Treatment Sequence:

- Treatment begins with the 3/10 MHz Ultrasound handpiece.
- After 10 minutes, a signal tone will sound.
- The treatment side must then be changed.
- After 20 minutes, a second signal tone will sound.
- The Ultrasound handpiece with 1/3 MHz will be activated.
- After 30 minutes, a third signal tone will sound.
- The treatment side must then be changed once again.

## Lifting

- Treatment Area: Face
- Ultrasound handpiece: 3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 20 minutes
- No. of Sessions: 8-10
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm <sup>2</sup>	Time, min
10	1:1	1.0	5
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.0 10 MHz $\Rightarrow$ 1.0	3
LDM 3/10	1 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	2
10	1:1	1.0	5
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.0 10 MHz $\Rightarrow$ 1.0	3
LDM 3/10	1 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	2

### Treatment Sequence:

- A signal tone will sound after 10 minutes.
- The treatment side must then be changed.

### *Lifting Professional*

- Treatment Area: Body
- Ultrasound handpiece: 1/3 MHz, size 2.5 cm<sup>2</sup>  
or 1/3 MHz, size 5.0 cm<sup>2</sup>  
3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 40 minutes
- No. of Sessions: 8-10
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm2	Time, min
10	1:1	1.0	5
LDM 3/10	10 ms	3 MHz ⇄ 1.0 10 MHz ⇄ 1.0	3
LDM 3/10	1 ms	3 MHz ⇄ 1.5 10 MHz ⇄ 1.5	2
10	1:1	1.0	5
LDM 3/10	10 ms	3 MHz ⇄ 1.0 10 MHz ⇄ 1.0	3
LDM 3/10	1 ms	3 MHz ⇄ 1.5 10 MHz ⇄ 1.5	2
LDM 1/3	10 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	5
LDM 1/3	1 ms	1 MHz ⇄ 1.5 3 MHz ⇄ 1.5	5
LDM 1/3	10 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	5
LDM 1/3	1 ms	1 MHz ⇄ 1.5 3 MHz ⇄ 1.5	5

#### **Treatment Sequence:**

- Treatment begins with the 3/10 MHz Ultrasound handpiece.
- After 10 minutes, a signal tone will sound.

The treatment side must then be changed.

After 20 minutes, a second signal tone will sound.

- The Ultrasound handpiece with 1/3 MHz will be activated.
- After 30 minutes, a third signal tone will sound.
- The treatment side must then be changed once again.

## Cellulite

- Treatment Area: Problem areas
- Ultrasound handpiece: 1/3 MHz, size 5.0 cm<sup>2</sup>  
or 1/3 MHz, size 2.5 cm<sup>2</sup>
- Treatment Time: 40 minutes
- No. of Sessions: 10-12
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm2	Time, min
1	1:1	1.5	5
LDM 1/3	10 ms	1 MHz ⇄ 2.0 3 MHz ⇄ 2.0	5
LDM 1/3	1 ms	1 MHz ⇄ 2.0 3 MHz ⇄ 2.0	10
1	1:1	1.5	5
LDM 1/3	10 ms	1 MHz ⇄ 2.0 3 MHz ⇄ 2.0	5
LDM 1/3	1 ms	1 MHz ⇄ 2.0 3 MHz ⇄ 2.0	10

### Treatment Sequence:

- A signal tone will sound after 20 minutes.
- The treatment side must then be changed.

### Stretch Marks

- Treatment Area: Body
- Ultrasound handpiece: 1/3 MHz, size 5.0 cm<sup>2</sup>  
or 1/3 MHz, size 2.5 cm<sup>2</sup>
- Treatment Time: 20 minutes
- No. of Sessions: 8-10
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm2	Time, min
3	1:1	1.0	5
LDM 1/3	5 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5
3	1:1	1.0	5
LDM 1/3	5 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5

### Treatment Sequence:

- A signal tone will sound after 10 minutes.
- The treatment side must then be changed.

## Stretch Marks Professional

- Treatment Area: Body
- Ultrasound handpiece: 1/3 MHz, size 5.0 cm<sup>2</sup>  
or 1/3 MHz, size 2.5 cm<sup>2</sup>  
3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 30 minutes
- No. of Sessions: 8-10
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm2	Time, min
10	1:1	1.0	5
LDM 3/10	5 ms	3 MHz ⇄ 1.5 10 MHz ⇄ 1.5	5
10	1:1	1.0	5
LDM 3/10	5 ms	3 MHz ⇄ 1.5 10 MHz ⇄ 1.5	5
LDM 1/3	10 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	3
LDM 1/3	1 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	2
LDM 1/3	10 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	3
LDM 1/3	1 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	2

### Treatment Sequence:

- Treatment begins with the 3/10 MHz Ultrasound handpiece.
- After 10 minutes, a signal tone will sound.
- The treatment side must then be changed.
- After 20 minutes, a second signal tone will sound.
- The Ultrasound handpiece with 1/3 MHz will be activated.
- After 25 minutes, a third signal tone will sound.
- The treatment side must then be changed once again.

### *Connective Tissue Lift*

- Treatment Area: Face, body
- Ultrasound handpiece: 3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 20 minutes
- No. of Sessions: 8-10
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm <sup>2</sup>	Time, min
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	5
LDM 3/10	1 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	5
LDM 3/10	10 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	5
LDM 3/10	1 ms	3 MHz $\Rightarrow$ 1.5 10 MHz $\Rightarrow$ 1.5	5

#### **Treatment Sequence:**

- A signal tone will sound after 10 minutes.
- The treatment side must then be changed.

## Connective Tissue Lift Professional

- Treatment Area: Face, body
- Ultrasound handpiece: 1/3 MHz, size 2.5 cm<sup>2</sup>  
or 1/3 MHz, size 5.0 cm<sup>2</sup>  
3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 40 minutes
- No. of Sessions: 8-10
- Treatment Interval: 2x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm2	Time, min
LDM 3/10	10 ms	3 MHz ⇌ 1.5 10 MHz ⇌ 1.5	5
LDM 3/10	1 ms	3 MHz ⇌ 1.5 10 MHz ⇌ 1.5	5
LDM 3/10	10 ms	3 MHz ⇌ 1.5 10 MHz ⇌ 1.5	5
LDM 3/10	1 ms	3 MHz ⇌ 1.5 10 MHz ⇌ 1.5	5
LDM 1/3	10 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5
LDM 1/3	1 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5
LDM 1/3	10 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5
LDM 1/3	1 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5

### Treatment Sequence:

- Treatment begins with the 3/10 MHz Ultrasound handpiece.
- After 10 minutes a signal tone will sound.
- The treatment side must then be changed.
- After 20 minutes, a second signal tone will sound.
- The Ultrasound handpiece with 1/3 MHz will be activated.
- After 30 minutes, a third signal tone will sound.

## Treatment

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- The treatment side must then be changed once again.

### *Phonophoresis*

- Treatment Area: Face, body
- Ultrasound handpiece: 1/3 MHz, size 2.5 cm<sup>2</sup>  
or 1/3 MHz, size 5.0 cm<sup>2</sup>
- Treatment Time: 20 minutes
- No. of Sessions: as required
- Treatment Interval: as required

FREQUENCY, MHz	MODE	INTENSITY, W/cm <sup>2</sup>	Time, min
LDM 1/3	10 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5
LDM 1/3	1 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5
LDM 1/3	10 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5
LDM 1/3	1 ms	1 MHz ⇌ 1.0 3 MHz ⇌ 1.0	5

### Treatment Sequence:

- A signal tone will sound after 10 minutes.
- The treatment side must then be changed.

## Acne

- Treatment Area: Face
- Ultrasound handpiece: 3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 20 minutes
- No. of Sessions: 10-12
- Treatment Interval: at first 2x weekly  
after 4x weeks 1x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm2	Time, min
10	1:2	0.5	5
LDM 3/10	5 ms	3 MHz $\Rightarrow$ 1.0 10 MHz $\Rightarrow$ 1.0	5
10	1:2	0.5	5
LDM 3/10	5 ms	3 MHz $\Rightarrow$ 1.0 10 MHz $\Rightarrow$ 1.0	5

### Treatment Sequence:

- A signal tone will sound after 10 minutes.
- The treatment side must then be changed.

## Acne Professional

- Treatment Area: Face, back
- Ultrasound handpiece: 1/3 MHz, size 2.5 cm<sup>2</sup>  
or 1/3 MHz, size 5.0 cm<sup>2</sup>  
3/10 MHz, size 1.2 cm<sup>2</sup>
- Treatment Time: 30 minutes
- No. of Sessions: 10-12
- Treatment Interval: at first 2x weekly  
after 4x weeks 1x weekly

FREQUENCY, MHz	MODE	INTENSITY, W/cm2	Time, min
10	1:2	0.5	5
LDM 3/10	5 ms	3 MHz ⇄ 1.0 10 MHz ⇄ 1.0	5
10	1:2	0.5	5
LDM 3/10	5 ms	3 MHz ⇄ 1.0 10 MHz ⇄ 1.0	5
LDM 1/3	10 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	3
LDM 1/3	1 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	2
LDM 1/3	10 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	3
LDM 1/3	1 ms	1 MHz ⇄ 1.0 3 MHz ⇄ 1.0	2

### Treatment Sequence:

- Treatment begins with the 3/10 MHz Ultrasound handpiece.
- After 10 minutes a signal tone will sound.
- The treatment side must then be changed.
- After 20 minutes, a second signal tone will sound.
- The Ultrasound handpiece with 1/3 MHz will be activated.
- After 25 minutes, a third signal tone will sound.
- The treatment side must then be changed once again.

# Recommended Treatment Prices

Treatment Program	Treatment Time	No. of Sessions	Price of Treatment (€)
WRINKLES	20	8 – 10	20 to 30
lifting	20	8 – 10	20 to 30
phonophoresIS	20	as required	15 to 25
aCne	20	8 – 10	20 to 30
aCne SCARS	20	6 - 8	20 to 30
SCArs	10	6 – 8	10 to 20
cellulite	40	10 – 12	60 to 80
Stretch Marks	20	8 – 10	20 to 30
Connective Tissue Lift	20	8 – 10	20 to 30
Wrinkles Professional	40	8 – 10	60 to 80
lifting professionAL	40	8 – 10	60 to 80
aCNE professionAL	30	8 – 10	30 to 45
CONNECTIVE TISSUE LIFT Professional	40	8 – 10	60 to 80
STRETCH MARKS professionAL	30	8 – 10	60 to 80

# Cleaning and Care

Observe the safety instructions and notes to avoid injury to persons and damage to the device.

## **WARNING**

### **DANGER OF ELECTRIC SHOCK!**

Risk of electric shock.

These can lead to fatal injuries.

- Switch off the appliance.

Disconnect the mains plug before replacing the fuse.

## Cleaning the device

### **NOTE**

#### **DAMAGE TO THE DEVICE**

Incorrect cleaning may damage the unit.

- Never use any aggressive or abrasive cleaning agents.

To clean the device:

1. Clean the housing with a damp cloth.
2. Ensure that no liquid enters the inside of the housing.
3. Wipe the housing dry.

The device is cleaned.

## Cleaning the ultrasound handpieces

### **NOTE**

#### **DAMAGE TO THE ULTRASOUND HANDPIECE**

Incorrect cleaning may damage ultrasound handpiece.

- Never clean the Ultrasound handpieces with water, chemicals or in an ultrasonic bath.
- Never immerse the Ultrasound handpieces in liquid.

## **INFO**

Following each use: Clean + disinfect + allow to dry..



INFO

We recommend the use of Bacillol Tissues (art. no. 9220.502).

### To clean the ultrasound handpiece:

1. First, remove after each treatment any remnants of the contact gel from the Ultrasound handpieces.
2. Disinfect the Ultrasound handpieces with a disinfection cloth or wipe.

The handpiece is cleaned.

## Maintenance

 **INFO**

The device does not require any maintenance when used for its intended purpose and in accordance with the instructions.

Should problems nevertheless occur, please contact our customer service department. (Tel.-Nr. +49 721-9770-666).

 **INFO**

Repairs may only be carried out by authorised specialist personnel of the manufacturer.

In the event of modifications and repairs by unauthorised personnel, the manufacturer's warranty and liability shall lapse.

In addition, the safety of the device may be impaired.

# Fault Finding and Solutions

Fault	Finding	Solution
Device does not operate.	Mains cable not connected correctly.  Main switch not switched ON.  No power supply to mains socket.	Check connection of the mains cable. Plugs must be firmly in place.  Switch main switch to ON (position < I >).  Check correct functioning of the plug (e.g. with a table lamp).
A signal tone sounds after switching the device to ON and the following error message will appear: Ultrasound handpiece not connected.	Left or right Ultrasound handpiece not connected.	Press the selection knob.
A signal tone sounds after switching the device to ON, although both Ultrasound handpieces are connected. The following error message will appear: Ultrasound handpiece not connected.	Ultrasound handpieces not connected correctly  Defective Ultrasound handpieces.	Switch main switch to OFF. Reconnect the Ultrasound handpieces  Switch main switch to OFF. Change the Ultrasound handpiece.
A signal tone sounds after switching the device to ON and the self-test will be stopped.	Self-test error.	First switch main switch to OFF and then to ON again. If the error still exists when the device is switched ON again, the customer service department must be contacted.

In the event of any other problem occurring not dealt with above, please contact our customer service department (telephone number on the rear page).

# Transport, Storage and Operating Conditions

Transport and storage temperature: -20 °C to +50 °C

Operating temperature: +10 °C to +40 °C

Relative air humidity: max. 90 %, non-condensing

Transport only in the manufacturer's original packaging.

To avoid any formation of condensation, abrupt changes of temperature should be avoided. Wait until the device has acclimatised to the ambient temperature before putting into operation.

## Disposal

Keep the original packaging for all returns.

Dispose of the packaging, device and accessories in an environmentally friendly manner and in compliance with local regulations.

All electrical and electronic products should be disposed of separately from the municipal waste.



This crossed-out wheeled bin symbol on the product means the product is covered by the European Directive 2002/96/EC. The product should not be mixed with general household waste. There exists a separate collection system for these products.

The correct disposal and separate collection of your old appliance will help prevent potential negative consequences for the environment and human health. It is a precondition for reuse and recycling of used electrical and electronic equipment.

# Delivery Contents

## Number Article name

1 x	IONTO-SONO Effect
1 x	Ultrasound Handpiece; 2,5 cm <sup>2</sup>
1 x	Ultrasound Handpiece; 1,2 cm <sup>2</sup>
1 x	Contactgel, à 250 ml

# Accessories

## Article number Article name

8432.002	Ultrasound Handpiece; 2,5 cm <sup>2</sup> ; 1 + 3MHz
8432.001	Ultrasound Handpiece ; 1,2 cm <sup>2</sup> ; 3 + 10 MHz
8422.016	SONO Contactgel 250 ml
9211.24	fruit acid peeling 5% 50 ml Kabi
9211.20	Cleansing foam 150 ml Kabi
9211.16	Facial toner 500 ml Kabi
1800.B014	Treatment recommendation Anti-Aging
1800.B015	Treatment recommendation doctors
1800.A011	Information sheet ULTRASOUND à 25 piece

For details of further accessories, please refer to the current catalogue.

# Technical data

## IONTO-SONO Effect

Article number:	8432.1
Operating voltage:	230 V ± 10 %, 50 Hz
Power consumption:	75 VA
Fuse:	250 V, 2 x TL 0.5 A
Protection class:	I
Ultrasound frequencies:	1 MHz, 3 MHz, 10 MHz
LDM	3/10 MHz
Nominal ultrasound intensity:	until 3,0 W/cm <sup>2</sup>
Range and accuracy of displayed values:	Output for 1.3 and 10 MHz
Accuracy:	±20%
Impulse repeat frequency:	100 Hz
Treatment modes:	cont., 1:2, 1:5, 1:10
Output	Two outputs for Sonotroden
weight	8 kg

## Ultrasound handpiece 1

Ultrasound handpieces:	Head 1:
Size:	1.2 cm <sup>2</sup>
ERA value: <sup>2</sup>	1.14 cm <sup>2</sup>
Protection class:	IPx7 (waterproof)
Weight (with cable):	100 g

## Ultrasound handpiece 2

Head 2:	1/3 MHz, LDM
Size:	2.5 cm <sup>2</sup>
ERA value:	1.65 cm <sup>2</sup>
Protection class:	IPx7 (waterproof)
Weight (with cable):	120 g

## Ultrasound handpiece 3

Head 3:	1/3 MHz, LDM
Size:	5.0 cm <sup>2</sup>
ERA value:	3.19 cm <sup>2</sup>
Protection class:	IPx7 (waterproof)
Weight (with cable):	130 g mit Kabel

# EG-KONFORMITÄTSERKLÄRUNG / DECLARATION OF CONFORMITY

gemäß den Bestimmungen der EG-Richtlinie über Medizinprodukte 93/42/EWG und unter  
Berücksichtigung der Änderungen durch die EG-Richtlinie 2007/47/EWG  
in accordance with the EU-Directive for Medical Devices 93/42/EEC in considering the  
changes of the EU-Directive 2007/47/EEC

Hersteller / Manufacturer: **IONTO Health & Beauty GmbH**  
Adresse / Address: **Greschbachstrasse 3**  
**D-76229 Karlsruhe**

Zertifiziert als Medizinproduktehersteller nach EN ISO 13485:2012 /  
Certified as medical device manufacturer in accordance with EN ISO 13485:2012

Benannte Stelle /  
Notified Body: **BSI**  
**Kitemark Court**  
**Davy Avenue, Knowlhill**  
**Milton Keynes, MK5 8PP**  
**United Kingdom**

Kenn-Nummer / Ident. number: **0086**  
Hiermit bestätigen wir in alleiniger Verantwortung, dass das Produkt /  
We certifies on our sole responsibility that the product

Geräteart /  
Purpose of equipment: **Gerät zur Ultraschallbehandlung /**  
**Device for Ultrasound Treatment**  
Gerätetyp / Type of equipment: **IONTO-sono® effect**  
Artikelnr. / Article no: **8432.1**  
Klasse / Class: **IIa nach Anhang IX, Regel 9**  
**IIa according to annex IX, rule 9**

den Anforderungen der EG-Richtlinie für Medizinprodukte 93/42/EWG entspricht /  
is in accordance with the Medical Devices Directive 93/42/EEC.

Die Konformität wird erklärt nach Anhang II (ohne Abschnitt 4) dieser Richtlinie /  
The conformity is declared with Annex II (excluding section 4) of this directive.

Gültig bis / Valid until: 01.06.2018

Karlsruhe, 01.06.2017

IONTO Health & Beauty GmbH  
General Manager Martin La Fontaine





**IONTO Health & Beauty GmbH**  
Greschbachstr. 3 • D-76229 Karlsruhe  
Telefon: +49 (0) 721 / 97 70-0 • Telefax: +49 (0) 721 / 97 70-290  
[www.ionto.de](http://www.ionto.de) • Email: [sales@ionto.de](mailto:sales@ionto.de)