


- 6.3 Starting/Switching on.**
- Turn on the all-in-one PC.
 - Switch on the ImpressionIST® 3 at the main switch.
 - Select the predefined user “ImpressionIST”
 - Enter the password for this user (default: “Rodenstock”)
 - Change the default password to a self selected secure password
 - Start the ImpressionIST® 3 software.
 - Align the top camera to approximate eye level of the person being measured.
 - Do not jam fingers during movement of measuring slide.
 - Follow the measuring instructions set out in the attached short manual.

- 6.4 Stopping/Switching off.**
- Close the ImpressionIST® software.
 - Switch off the PC system using the “shutdown” command.
 - Then switch off the ImpressionIST® 3 at the main switch.



Repair work and rectification of damage may only be carried out by Rodenstock Service & Support personnel. Replacement of defective parts:

- If the flash unit is defective it must be replaced in full.
- In case of a replacement of the measuring slide be aware of fast upwards movement.
- Replace the glass and mirror surfaces.

If faults occur during operation so that the device does not operate as described in this instruction manual or if it is no longer possible to operate the device, switch off the main switch and then switch it on again a few seconds later. Use the normal procedure for switching on the system.



Notify our Technical Support personnel if the error recurs!

“Customer Service Systems” by email
css@rodenstock.com or the service hotline:
+49 (0)1801 763361

- 6.5 Maintenance and care.**
- Do not use methylated spirits or benzene to clean the glass surfaces, mirror surfaces and the powder-coated casing parts.
 - Only use conventional glass or window cleaning products (for example Sidolin) to clean the glass surfaces.
 - Only clean water should be used to clean painted or powder-coated surfaces or water with a little detergent for stubborn dirt.
 - Use only a fine microfiber cloth to clean these surfaces.

7 Waste disposal.

- Dispose of the Rodenstock ImpressionIST® 3 in accordance with national and local regulations for correct waste disposal.

Compliance Information Statement (Declaration of Conformity)

Responsible Party: EGMA LLC (Distribution partner of Rodenstock GmbH)

Address: 11234 Goodnight Lane
Dallas TX 75229

WG404289 07/2015 ©Rodenstock

INSTRUCTION MANUAL.

for Rodenstock ImpressionIST® 3
7695-006-603



- Table of contents:
1. Basic information
 2. Basic safety information
 3. Packaging, transport and unpacking
 4. Technical data
 5. Installation and first use
 6. Operation
 7. Waste disposal

Rodenstock GmbH
Postfach 1320 • D-94209 Regen • Phone 09921/26-0

1 Basic information.

Purpose of this instruction manual.

- This manual is provided with the intention of being read, understood and observed in every respect by the personnel responsible for the “Rodenstock ImpressionIST® 3” device.
- The complete instruction manual should be near the device for future use.
- This instruction manual makes special reference to the details of the device which are required to operate it without problems.
- Only those who are familiar with this instruction manual will be able to avoid errors on the device and make sure that it operates perfectly. Therefore it is very important that the responsible person for the device is familiar with this instruction manual.

We reserve the right to make technical modifications to the images and details contained in this instruction manual if we believe that they are required to improve the device.

Intended use.

The “Rodenstock ImpressionIST® 3” device is designed exclusively for measuring ophthalmic parameters and as a tool for providing advice. Other use of this device is regarded as unintended. The intended use also includes the following:

- Compliance with all the information in the instruction manual and other manuals.
- Completion of all the specified inspection, repair and servicing work.

Function, brief description.

The device is designed for stationary use, a measuring and advice tool to determine important ophthalmic parameters required for individual lens manufacturing.

Copyright.

Copyright to this instruction manual remains in the hands of Rodenstock GmbH

This instruction manual is only intended for the owner of the device and support personnel. It contains guidelines and information which may not be

- reproduced
- disclosed or
- otherwise published either in full or in part.

Breaches may result in criminal consequences.

Certification.

CE mark:
The “Rodenstock ImpressionIST® 3” device is designed and built to comply with Directive 2006/95/EC (Low Voltage Directive) and its safety requirements.

FCC § 15.19

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that my cause undesired operation.



Instruction manual.

1.1 Follow the instructions set out in the instruction manual:

- The basic requirement for handling this device safely and operating it without problems is being familiar with the basic safety information and the safety instructions set out in this instruction manual.
- This instruction manual, particularly the safety information, must be followed by everybody who works with the device. In addition the rules and regulations for accident prevention which are applicable at the place of use must also be followed.

1.2 Personnel qualifications and training.

The personnel responsible for the operation, servicing and assembly of the device must be appropriately qualified for this work. The owner of the device must provide clear rules as to the delimitations, responsibilities and supervision of the personnel. If the personnel does not have the requisite skills, they must be given training and instruction. If necessary, this may be provided by the manufacturer on behalf of the owner of the device. In addition the owner must ensure that the content of this instruction manual has been fully understood by the operating personnel.

1.3 Dangers involved with handling the device.

The Rodenstock ImpressionIST® 3 device has been designed, built and certified to be state of the art and comply with the acknowledged safety regulations. Nevertheless its use may present risks of injury or even death to the user or third parties or damage to the device or other property. The device may only be used for its intended purpose and if it is in perfectly safe condition. Faults which may adversely affect its safety must be rectified without delay.

1.4 Safety equipment and guards.

All guards must be correctly fitted and function before the device is started. Guards may only be removed when the device is at a standstill and after it has been secured to prevent it being started.

2 Basic safety information.

2.5 Explanation of the danger symbols.

The following names and symbols are used to indicate dangers in this instruction manual:

 This symbol means “Danger” of injury or even death of personnel!

Failure to obey these instructions may result in serious health consequences or even death.

 This symbol indicates important information for handling the device correctly.

Failure to obey these instructions may result in faults on the device or in the area around it.


2.6 Informal safety action by the owner.

- The instruction manual must be kept at the place of use of the device at all times.
- In addition to the instruction manual the general and the local regulations for accident prevention and environmental protection must be provided and obeyed.
- The safety information on the device must be kept in legible form at all times.


2.7 Safety action during normal use.

- Only use the device if all the guards on it are fully functional. Before you switch on the device ensure that nobody can be placed in danger by the moving parts of the device.


2.8 Danger posed by electric power.

- 
 - Work on the electrical supply may only be carried out by a trained electrician.
 - Covers may only be removed by authorised trained Electrical personnel.
 - The device’s electrical equipment must be checked for signs of damage at regular intervals (supply cable, power supply, etc.).
 - Prevent the ingress of water.

2.9 Special dangers.

- 
 - The screws in the base plate must not be undone without authorisation.
 - The mirror column must be secured during the assembly process to prevent it tipping or falling over.
 - Incautious handling, for example placing them on their edge, may result in the mirrors breaking causing shards of glass that can in turn cause injuries.

2.10 Servicing, maintenance and troubleshooting.

- 
 - Carry out the specific setting, servicing and inspection work on schedule.
 - Switch off the device, secure the main switch to prevent it being switched on unexpectedly and disconnect the plug from the power supply before all servicing, inspection and repair work.
 - After you have completed the servicing work check the function of the safety equipment.

2.11 Modifications to the Rodenstock ImpressionIST® 3.

- Do not make any changes to, or modifications on the device, without the consent of the manufacturer.
- All modification work requires written confirmation. Device components which are not in perfect condition must be replaced immediately.

FCC § 15.21 (Warning Statement)

[Any] changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

FCC § 15.105

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equip-

ment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instruction and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

3 Transport.

3.1 Dimensions and weight.

- Stand version
600 mm x 600 mm x 1965 mm – 2131 mm
23.62 in x 23.62 in x 77.36 in
approx. 70 kg
approx. 154,3 Lb
- Wall version
405 mm x 130 mm x 1421 mm
15.94 in x 15.74 in x 55.94 in
approx. 32 kg
approx. 70.5 Lb

3.2 Packaging.

- The transport distance and the export country have a major bearing on the type of packaging.
- The packaging must be designed in compliance with the guidelines provided by the Wooden Packaging, Pallets and Export Packaging (HPE).
 - The marks for transport must comply with DIN 55402 Part 1 and Part 2.
 - DHL 2 packaging if necessary


3.3 Information and protection for transport.

- Proceed with particular care when transporting the device to prevent damage caused by the effects of force or incautious loading and unloading.
- Condensation formation caused by large temperature fluctuations must be prevented during transport, as well as impacts.
- The pictorial symbols on the packaging in highly visible areas must be observed.
- Incautious handling, for example placing them on their edge, may result in the mirrors breaking causing shards of glass that can in turn cause injuries.




3.4 Inspection by the recipient on arrival.

The supplied parts and their packaging must be checked to ensure that they are complete and for signs of damage or other peculiarities.


3.5 Report and document transport damage.

-  Document any signs of damage you find immediately (sketch, instant camera, digital camera and a description of the damage).
- Have the damage confirmed in writing by the forwarder.
- Forward the documents without delay to Rodenstock GmbH/ Customer Service Systems; css@rodenstock.com.

3.6 Unpacking.

-  The device may only be unpacked and assembled with the supplied components by technicians familiar with the device.
-  Caution! Some components are made of glass (no safety glass).
-  Caution! The base plate has a weight of approx. 80 Lb and may not fall while unpacked.
- The packaging material must be disposed of correctly or reused.
- Specific handling aid and transport lock must be kept by the customer. They must be stored in case the device is moved again in the future.


3.7 Handling points.

-  Never attach lifting gear to mountings such as the table (stand version), measuring slide, etc.

3.8 Temporary storage.

- If the device is not assembled immediately after delivery it must be stored carefully in a protected location. The system must be covered properly so that no moisture or dirt can get into it.
- The device must not be stored outdoors.

3.9 Ambient conditions.

-  The ambient conditions (humidity and temperature) at the final location for the device must be equivalent to standard room conditions.

4 Technical data.

4.1 Drawing number, description.

- Device type: ImpressionIST® 3
- Description: Advice and 3-D video centring system
- Drawing number: 7695-006-603

4.2 Ambient temperatures for operation.

The ambient temperature of the system during operation should be between 15°C and 35°C (59°F - 95°F) to ensure that all the modules operate perfectly.

4.3 Connection values.

Electrical:	
Voltage:	230 V AC 50/60 Hz
Plug:	Power supply 230 V/19.5 V
Rated current:	2.1 A
Protection type:	IP 40

Input and output connectors:	
Network:	WLAN, IEEE 802.11b/g/n

4.4 WLAN:



Ad-hoc mode & Server (Master)- mode:
An Ad-hoc & Master mode won't be used from ImpressionIST® 3.

5 Installation and first use.

5.1 General.

The device may only be assembled by fitters who are familiar with the system.


Please note that the device may only be lifted by load-bearing parts.

-  Never attach lifting gear to mountings such as the mirror box, etc.
-  Caution! Some components are made of glass (not safety glass).

5.2 Location.



- A location where normal room conditions prevail must be selected for the device.
- Clear the required space.
 - Prepare the required connections for electricians, IT, etc.

5.3 Installation and connection.



-  Depending on its version (stand or wall) the device must be secured and/or anchored.
- Any components soiled by the transport process must be cleaned if necessary (do not use methylated spirits or benzene).
- The energy and supply connections must be made as shown on the connection diagram.
- The device must be adjusted using the spirit level on the rear. The spirit level must be read using a parallex-free method (slide cover on the rear to the floor 90 degrees).
- Screws and plugs used for mounting of the wall version have to be construed for a weight of 100 Lb (including safety buffer).

5.4 First use.

The initial setup for the first use may only be carried out by the forwarder or service/support. When the device is started for the first time the following must be checked:

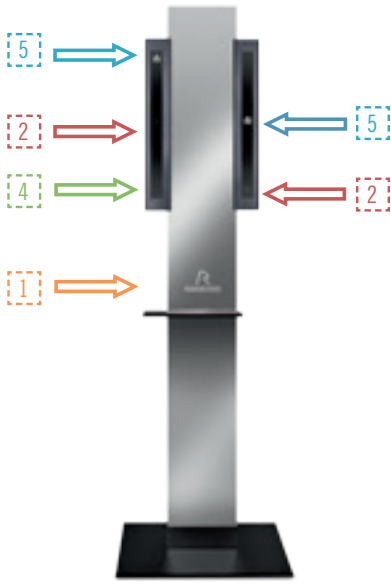
- 
 - Connections
 - Safety equipment
- Initial installation of the PC
- Check the calibration
- Initiate a test flash
-  Read the section entitled “Operation” in full before you undertake the first steps.

5.5 Shutting down (EMERGENCY STOP).

-  If despite all the precautions, situations occur which present a danger to you or are uncontrollable, you should shut down the device at the main switch and disconnect the main cable.
- 

6 Operation.

6.1 Overview.






The device consists of the following:

- A mechanical measuring slide (1) to adjust the height of the stereo camera system (2).
- The integral flash unit (4) and the corresponding flash modules (5).

6.2 Safety information.

Information about the hardware:

- The system must not be exposed to any impacts or vibrations.
- Switch off the device and restart it after a power failure.
- Data and network connection cables must be free of tension and routed such that they do not constitute a stumbling risk.
- Damaged network cables must not be used.
- Additional devices may only be connected or disconnected after the device has been switched off. The device-specific connection conditions are set out in the product documentation supplied by the device manufacturer.
- A list of recommended peripheral devices can be viewed at www.rodenstock.com or requested from our “Customer Service Systems” by email from css@rodenstock.com.
- Always start and stop the device as described in this manual.
- The housing parts on the Rodenstock ImpressionIST® 3 may only be opened by customer service personnel.
- Only Rodenstock technicians may adjust the camera system.
- Important information for cleaning your device is provided in the points headed “Maintenance and care”.

-  The device must be installed such that the main switch can be accessed easily at all times.
-  Only operate the device if all the guards are fully functional and there are no obvious signs of damage on the device.
-  If despite all the precautions situations occur which present a danger to you or are uncontrollable, you should shut down the device at the main switch and disconnect the main cable.