VISIOSMART 500

ESSILOR INSTRUMENTS

Quick start guide

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Visiosmart 500 (C87) is a device for performing an automatic and autonomous visual screening test. The quick start guide provides an overview of the Visiosmart device. It contains:

- basic information on the device,
- the material necessary for its initiation,
- the procedure for starting the first test,
- a description of the tests available on the device,
- its main features,
- device maintenance.

This document is accessible via a QR code and available on a web platform.

	To access it, please scan the QR code below using a dedicated application.
	Pour y accéder veuillez scanner le QR code ci-dessous à l'aide d'une application dédiée.
	Für den Zugriff darauf scannen Sie bollard untenstehenden QR-Code mittels einer dafür vorgesehenen Anwendung.
	如需访问该空间·请使用专用应用程序扫描QR码。
	Da bist driven pristupili, skenirajte QR-kod U nastavku namjenskom aplikacijom.
	Para to access, escanee el código QR that will encuentra itself has continuación idiot the ayuda of una aplicación.
	Per accedervi, scansionare il codice QR seguente mediante un'applicazione dedicata.
	そちらにアクセスするには、専用アプリケーションを使用して以下のQRコードをスキャンしてください。
	Aby uzyskać do niej dostęp, zeskanuj poniższy kod QR przy użyciu dedykowanej aplikacji.
	U kunt of handleiding bereiken door of QR-code hiernaast you scannen puts een geschikte applicatie.
	Lay tai piekļūtu, lūdzu, noskenējiet tālāk redzamo QR kodu, izmantojot tam paredzētu lietojumprogrammu.
	Para aceder, will queira digitalizar O QR codes seguinte COM has ajuda uma aplicação dedicada.
	Для доступа просканируйте приведенный ниже QR-код с помощью специального приложения.

เข้าถึงข้อมูลกรุณาสแกนรหัส QR ด้านล่างโดยใช้แอปพลิเคชันเฉพาะ

Để truy cập, vui lòng quét mã QR bên dưới bằng ứng dụng chuyên dụng.

Untuk mengaksesnya, silakan pindai kode QR berikut menggunakan aplikasi khusus.

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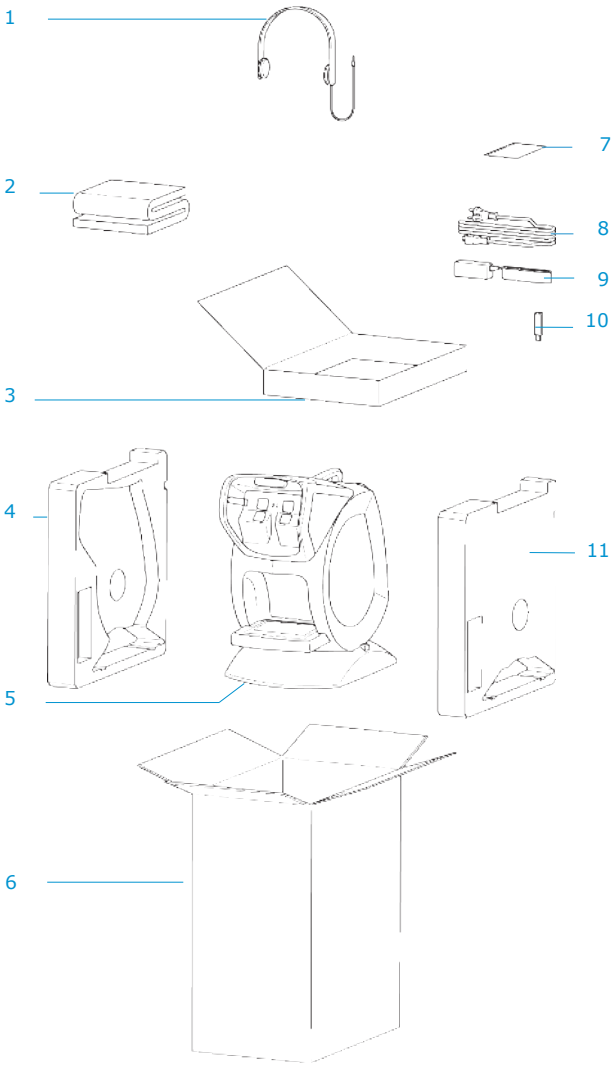
Description

1. Packaging and accessories

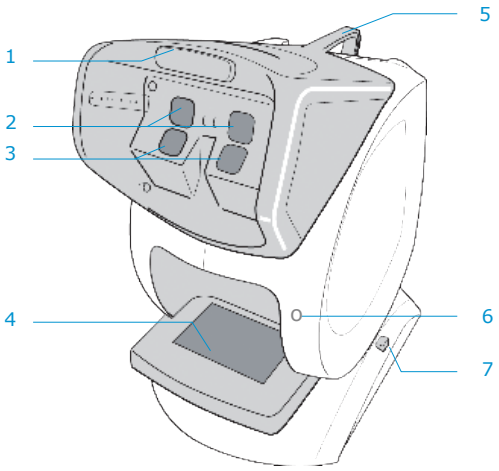


1	Headset*
2	Protective cover
3	Accessories box
4	Left protective foam
5	Device
6	Packaging
7	Screen cleaning cloth
8	Power supply cable
9	Device power supply
10	USB key*
11	Right protective foam

(*) Options included or at extra cost

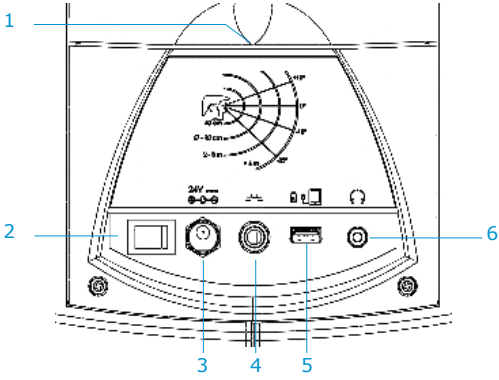
2. OVERVIEW

a. Front view



1	Stationary forehead rest*1
2	Eyepieces for far vision
3	Eyepieces for near vision
4	External screen
5	Handle
6	Connector for peripheral devices
7	Height adjustment button

b. Back view



1	Hatch (access to the inside of the device)
2	ON/OFF button
3	24V power socket
4	Outlet for push button*2
5	Outlet for USB uploading
6	Headset outlet

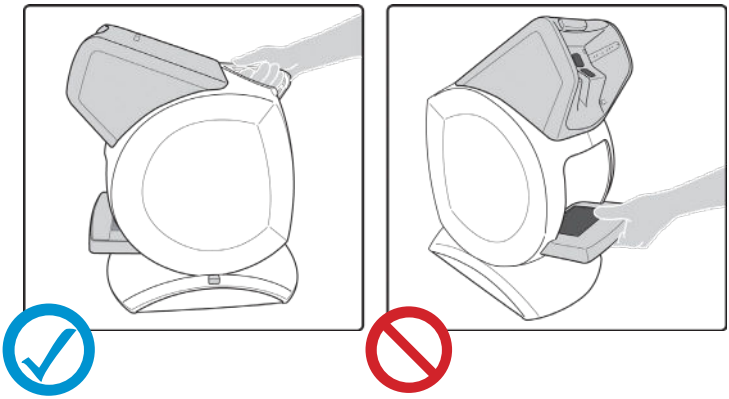
(*1) Applied part

(*2) Not used on this product

1. Unpack the device

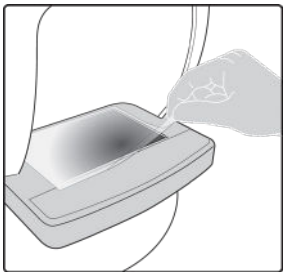
1. Remove the upper cardboard boxes and put them on a table.
2. Remove the cardboard containing the accessories.
3. Take the device out of its protective foam by holding it by the handle and remove the protective plastic covering it.

Never hold the device by the outside screen so as not to damage it.



The device must be installed on a stable table with the front of the device approximately 10 centimeters from the edge of the table.
Preferably, do not place the device under direct light.

4. Remove the protective film on the outside screen.



5 Open the boxes of accessories.

6 Remove the protective cover and put it away for later use.

7 Remove the device's cable and power unit, plug them into the device and then into the main power source.

Before plugging in the device, ensure that your power supply voltage complies with the external power indicated.

8 Remove the cleaning cloth and put it away for later use.

The cleaning cloth must be dry when used on the screen and the eyepieces.

9 Take the headset out and plug it into the device.

Keep the packaging (boxes, protective foam and plastic).

2. Turn on and turn off

1 Press on the button located on the back of the device to turn it on.

› The mask turns on.

2 Wait several seconds for the software to open up on the viewer on the front of the device.

› The mask turns off.

› The viewer turns on.

› The following screen is displayed:

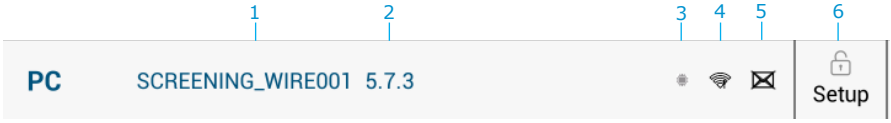
3 Select the desired language.

To turn the device on again when it goes to sleep, drag your finger on the viewer.

To turn off the device, press the button located at the back of the device.

3. Configuring the device

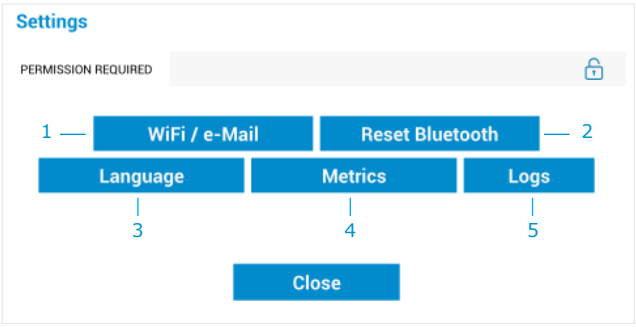
a. Toolbar description



1	Product ID		
2	Product Software Version		
3	Electronic Card Connection Indicator		
4	WIFI Configuration indicator	Configured	Not configured
5	Email inbox configuration indicator	Configured	Not Configured
6	Configuration menu		

b. Menu configuration description

1 Press Setup.



1	WIFI and email address settings
2	Not used
3	Language settings
4	Acuity format settings
5	Page access [LOGS]

c. WIFI and email address settings

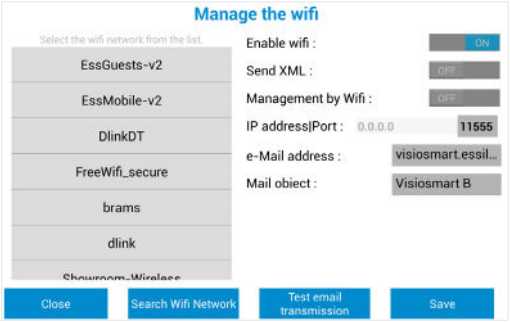
WIFI setup

1 Press Setup.

2 Type the password 1847 on the keyboard and press ↵ to validate it.

3 Press WiFi / e-Mail to configure the WIFI.

› The following screen will appear.



4 Set the field [Enable wifi] to [ON].

5 Select the desired network Showroom-Wireless.

Press Search Wifi Network to detect the desired network if it does not appear.

› The following screen will appear.

6 Enter the WIFI network password and press ↵ to validate.

7 Press Save to save the configuration.

› The icon appears in the toolbar.

› Press Cancel to return to the configuration menu.

Email address

1 Press e-Mail address : visiosmart.essil... to configure the e-mail address that test reports will be sent to.

› The following screen will appear.

2 Enter the email address that you want and press ↵ to validate it.

3 Press Mail object : Visiosmart B to enter the subject of the email.

› The following screen will appear.

4 Enter the subject of the email and press ↵ to validate it.

In the case of multiple Visiosmarts in the store, you can use this field to identify the source of the received reports.

5 Press Test email transmission to check the email.

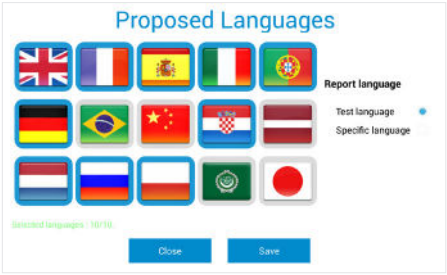
6 Log in to the email that you entered to verify that you received the test report.

7 Press **Save** to save the configuration.

d. Language settings

1 Press **Language** to configure which languages will appear on the home screen.

› The following screen will appear.



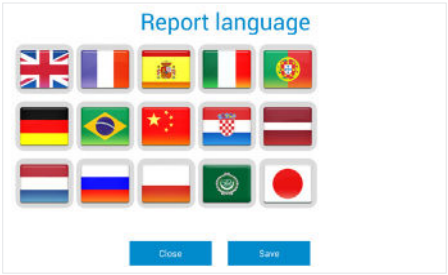
2 Select the desired languages.

You can choose and display up to ten languages.

3 Select:

- **Test language** to specify that the test report language will be the same as the language chosen for the test process.
- **Specific language** to specify that the test report language will be different from the language chosen for the test process.

› The following screen will appear.



4 Select the desired language.

5 Press **Save** to save the configuration.

e. Acuity format settings

1 Press **Metrics** to configure the acuity format.

› The following screen will appear:

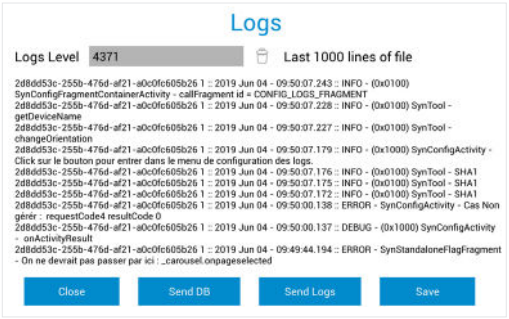
2 Select the desired format and the accuracy of the desired acuity.

3 Press **Save** to save the configuration.

f. "LOGS" page

1 Press **Logs** to access the [Logs] page.

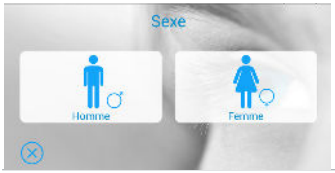
› The following screen will appear:



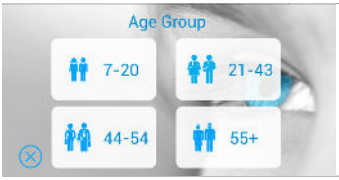
The information available on this page may be requested by your support personnel.

4. START THE TEST

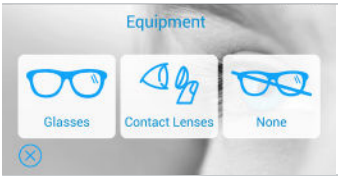
Once the language is chosen, a series of preliminary questions will determine the most appropriate type of protocol for the subject.



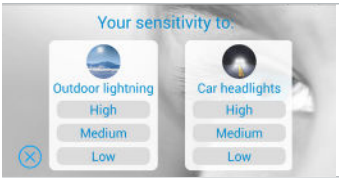
Sex



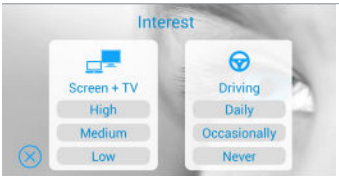
Age



Equipment

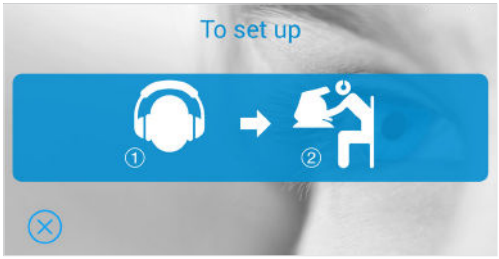


Light sensitivity



Main activities

Installation guidelines are given.



The headset is a crucial item because all the guidelines for properly running the test are given orally.

Finally, press the screen to start the test.

1. Protocol description

Visiosmart allows you to run four test protocols according to four age groups.

a. Protocol No. 1 7-20

	Right eye/left eye Binocular	Far vision Near vision	Day Vision Mesopic vision	Test
Acuity				
Red/Green				
Acuity				
Red/Green				
Fusion				
Ishihara				

b. Protocol No. 2 21-43

	Right eye/left eye Binocular	Far vision Near vision	Day Vision Mesopic vision	Test
Acuity				
Red/Green				
Acuity				
Red/Green				
Acuity				
Horizontal visual field!				
Glare recovery				

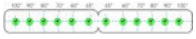
!The test will only begin if the person has responded "from time to time" to the preliminary survey on driving frequency.

Main Features

c. Protocol No. 3 44-54

	Right eye/left eye Binocular	Far vision Near vision	Day Vision Mesopic vision	Test
Acuity				
Acuity				
Acuity				
Acuity +				
Horizontal visual field!				
Glare recovery				

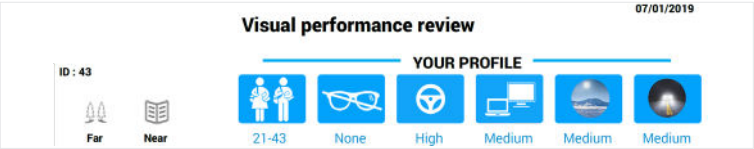
d. Protocol No. 4 55+

	Right eye/left eye Binocular	Far vision Near vision	Day Vision Mesopic vision	Test
Acuity				
Contrast				
Acuity				
Acuity				
Acuity +				
Horizontal visual field!				
Glare recovery				

!The test will only begin if the person has responded "from time to time" to the preliminary survey on driving frequency.

2. Description of a test report

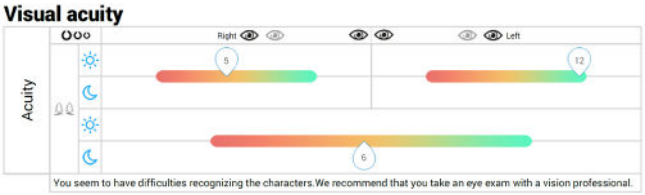
a. Part No. 1



Patient Profile

21-43	Age
None	Equipment worn
High Medium	Activities/Interests using vision
Medium Medium	Light sensitivity
ID : 43	ID Number
07/01/2019	The date that the test is performed on.
Far Near	Tests done for far vision and near vision.

b. Part No. 2



Day vision

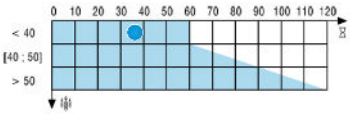
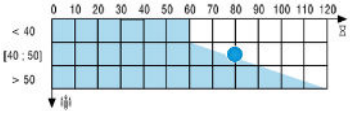
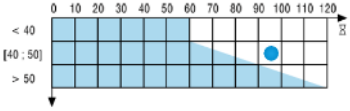
Mesopic vision (low brightness)

Answer	Interpretation
0.8 -> 1.2	Your vision is good.
0.6 -> 0.8	You seem to have difficulty recognizing small characters. We recommend that you take a vision examination with a vision professional.
0 -> 0.6	You seem to have difficulty recognizing small characters. We recommend that you take a vision examination with a vision professional.

b. Part No. 3

ANSWER	INTERPRETATION
-	Your vision is good.
	You seem to be slightly myopic. We recommend that you seek advice from a vision professional.
	You seem to be slightly hyperopic. We recommend that you seek advice from a vision professional.

d. Part No. 4

ANSWER	INTERPRETATION
	Your eye recuperates normally after receiving glare ✔.
	You seem sensitive to light. Ask your vision professional for advice.
	You seem sensitive to light. Ask your vision professional for advice ✘.

7-20 21-43	44-54	55+
If recovery time is ≤ 60 seconds. ✔	If recovery time is ≤ 60 seconds. ✔	If recovery time is ≤ 90 seconds. ✔
If recovery time is > 60 seconds. ✘	If recovery time is > 90 seconds. ✘	If recovery time is > 120 seconds. ✘

Recommendations

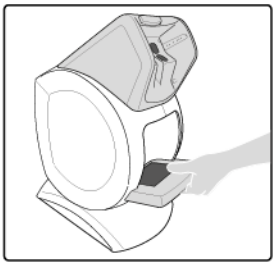
1. General guidelines

- Place the device in a room where the temperature is not too high (<40 °C) or too low (>10 °C).
- Protect the device from vibrations and knocks.
- Do not put the device in contact with chemicals and gases.

Never try to dismantle the device.

2. Handling

Never hold the device by the external screen in order to prevent it from coming off.



Never pull the device over the table, so as not to scratch the table surface.

3. Connectors and charging

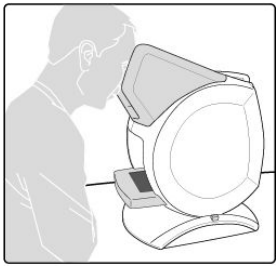
- Ensure that the equipment is connected to the mains supply and to a power socket which comply with local regulations.
- Your device must be plugged into a mains power supply with an earth connection. Avoid extending leads or adapters, which do not guarantee a reliable connection.
- Remove the protection cap on the headphone/pushbutton connector before use.

4. POSITION OF THE PERSON

a. Recommendations

Before starting the tests, ensure that the person to be examined is seated in front of the device correctly.

If the patient must strain his/her neck, sit on the edge of the seat or hunch over to see the eyepieces, the device is not set to the correct height.

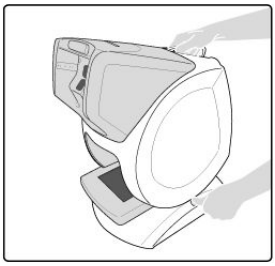


If the patient is wearing corrective lenses or contact lenses, they must be kept on for the test.

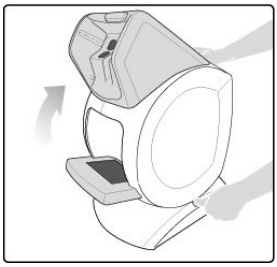
Ensure that the person's face is pressed against the forehead rest before starting the tests.

b. Adjusting the height of the device

1. Use the handle to hold the device.
2. Press on the height adjustment button and hold it down.



3 Tilt the device until you achieve the required height.



4 Let go of the button and wait for a click sound.

5 Let go of the handle.

› The height of the device has been adjusted.

1. CLEANING THE UNIT

To avoid any incidents, unplug the device before cleaning.

Clean the interior and exterior screen with a soft, dry cloth. The screens must never come into contact with liquid (e.g. water, alcohol, window cleaner).

To clean the interior screen:

1. Unplug the device.
2. Open the access flap located at the back of the device.
3. Clean the interior screen with a soft and dry cloth while ensuring not to leave any fingerprints.

4. Close the access hatch.

Be careful of the connections inside the device. Too abrupt movements may unplug certain wires.

- You can use the cleaning cloth found in the packaging.
- If the device is transported outside or not used over a long period of time, use the protective cover provided with the device.
- The cloth can be washed in the washing machine at a maximum of 40º C (without softener).

2. FOREHEAD REST AND HEADSET CLEANING

Cleaning the forehead rest is recommended between each usage. Carry out cleaning with a soft cloth or a handkerchief soaked in soapy water.

Avoid using any alcoholic or aggressive lotions.

Technical Data

This device is a class I medical device without measurement function.

1. The device

- Dimensions: 483 x 283 x 456 (mm)
- Weight: 6.700 Kg
- Power supply:
  - AC Input: 100-240 VAC, 1.5 A max, 50-60 Hz
  - DC Input: 24.0 V, 2.5 A
  - Maximum output power: 60 W

2. Accessory list

- Microfibre cloth
- Supply ref. GTM91099-6024-T3A and Cord
- Protective cover
- USB key*
- Headset*
- Transportation case*

(*) These options are included or at extra cost.

3. Environment

The temperature and relative humidity of the room where you use your device must be within the following limits:

Operation:

- Temperature: between +10 ºC and +40 ºC
- Humidity: between 30 % and 75 %

Storage:

- Temperature: between -5 °C and 50 °C
- Humidity: between 25 % and 95 %

Altitude: < 2,000 m

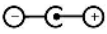
Degree of pollution: 2

Avoid sudden changes in temperature and humidity and install your system:

- away from direct sunlight,
- away from all the sources of heat
- away from any strong magnetic field,
- away from all chemical products, corrosive vapors and liquids,

Don't put anything on the device. Avoid exposing the equipment to vibration or impact.

1. Symbols

Symbols on the device		Symbols on the packaging	
	Complies with R&TTE regulations;		Make sure to read and learn the information in the accompanying documents (user manual, etc…).
	Polarity		This way up
	Manufacturing date (year)		Fragile
	Manufacturer		Keep dry
	This instrument is a class I type B product		Do not put in a pile
	Careful, read and assimilate the accompanying documents (user manual, etc…).		Indicate the thermal limits to which the medical device can be exposed in complete safety.
	D.C. current		Indicate the humidity limits to which the medical device can be exposed in complete safety.
	Disposal of this electrical and electronic equipment		Indicate the limits of atmospheric pressure to which the medical device can be exposed in complete safety.
	Compliant to FCC standards		
	Headset	**Symbols present in the document**	
	Tablet connector		Danger: risk of injury
	Tweezers/Pushbutton (not for use on this product)		Caution: risk of damage to the product
			Note: Additional information
			Tip: practical advice

2. Modifications

The information contained in this document is non-contractual and provided as a guide. It may be changed without prior notice. Errors or omissions may occur in this type of document, although the greatest care has been taken to ensure the accuracy of the information provided. Essilor cannot be held responsible for any malfunction or loss of data resulting from such errors or omissions.

3. Confidentiality and customer data

The device is a system that can save/store/share relative information with the customer such as customer's measurements and name It is the device's user's responsibility to comply with patient data confidentiality regulations, applicable on their site.

4. Declaration of conformity

Complies with marking CE

Lifetime: 7 years.

Date of first marking: January 2019

This device complies with the restrictions imposed by section 15 of the FCC regulation. Its use meets the following conditions: (1) this device should not cause interferences and (2) must be able to deal with interferences from external sources, in particular those likely to cause malfunctions.

In accordance with the requirements of FCC rules, any modification made to this equipment which is not expressly approved by ESSILOR INTERNATIONAL will nullify the user's right to use this device.

This equipment has been tested and deemed compliant with the limits imposed for Class-B digital devices according to Part 15 of the FCC regulations. Those limits are set so as to ensure reasonable protection against interference in a residential environment. This equipment generates, uses and can emit radio frequency energy likely to cause radio communication interferences if the device is not installed and used in strict compliance with the manufacturer's instructions. However, there is no guarantee that there will be no interference in certain conditions. If this equipment becomes the source of interference with radio or television reception (this can be confirmed by switching off the device then turning it back on), the user may be able to eliminate this interference through one or more of the following measures:

- swivel or move the affected receiver or its receiving antenna;
- move the device away from the affected receiver;
- To connect the device to a different circuit from the one, which powers the receiver in question;
- Request help from the retailer or a qualified radio/television technician.

Interference and micro-outages

The products have been designed to withstand interference and operate despite its presence and the possibility of micro-outages on the network. However, if these problems are too serious and abnormal, the normal functioning of the machine could not be guaranteed.

5. Copyright

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6. Materials and products

Do not place this device in a dusty environment, in a room where the temperature is too high or too low or in a damp place.

Perchlorate material warning applies to the primary Manganese Dioxide Lithium button cell batteries found in the device. Special handling precautions may apply.

7. Safety instructions

All mechanical or electronic adjustments and electrical maintenance must be carried out by an after-sales technician approved by Essilor.

The use of an accessory or a cable other than those recommended in this manual can be dangerous for users.

Check the power cable regularly. If damaged, have it replaced by an approved repairer.

Never pull on the cables to unplug them from the power socket.

Do not use our system for other uses than those described in this document. Otherwise, the protection ensured by the device may be compromised.

Never try to modify or dismantle this product yourself. Besides the fact that you are likely to damage the instrument, you can also injure yourself.

Your device must be carefully maintained, in accordance with the instructions detailed in this document.

Your system is an electrical device compliant with the applicable safety standards. In the event of malfunction, the repair operations must be performed by qualified personnel approved by Essilor. Otherwise, the user's safety would be at risk.

During extended periods of non-use and before the servicing and/or replacement of certain accessories, you must disconnect your device from the electricity supply by unplugging the power cord.

The equipment must be plugged into an earthed power supply. The earth connection must comply with public standards and be checked by a technician. Avoid using extension cords or multiple-socket connectors which might result in poor contact.

Use the product as specified in this guide.
The mains plug allows you to turn the device off, it must always be accessible, ensure that your product is installed so you can do this.

Do not connect any other devices such as a PC. At the end of the product's use, please press on the power switch. To disconnect the device from the power source, unplug the power cord.

There are no known contraindications for using the device.

Screening time varies from 2 to 5 minutes depending on the subjects examined. The contact temperature at the forehead could be maximum 41,7 °C if the room temperature is 40 °C.

8. Electromagnetic waves

Electromagnetic waves emitted by various types of equipment (radio and TV receivers, mobile phones, radio transmitters, etc.) are likely to disturb the operation of the instrument. This instrument is also likely to cause interference with radios or television, mobile phones, radio transmitters, etc. Avoid installing or placing devices likely to create interference close to the instrument. Likewise, never place the instrument on or near this type of device. This may cause malfunctions or faults in the instrument.

Notes

Notes

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