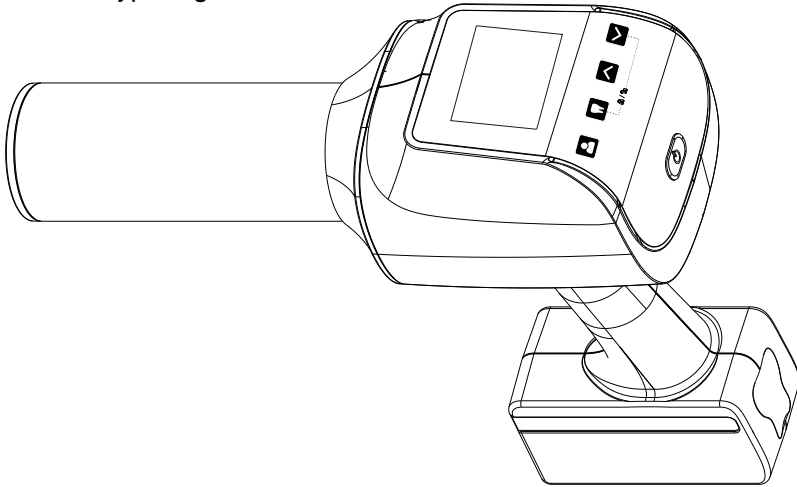




Model: HyperLight



Hand-held Dental X-ray System USER MANUAL

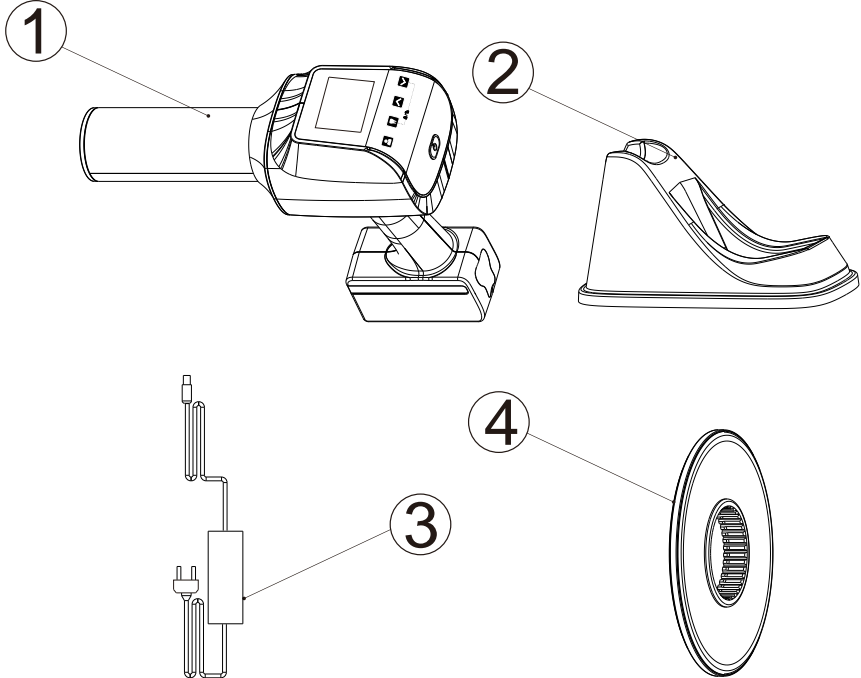
Changzhou Sifary Medical Technology Co.,Ltd.

Version: S01
IFU-7035001
Issued: 2021.6.1
Size:197mmX140mm

| | |
|---|-----------|
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1. Overview

1.1 Content



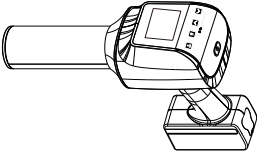
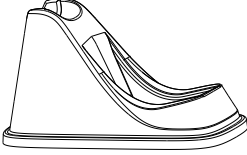


1. HyperLight Main Body

2. Base










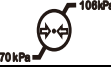









3. Power Adapter with removable power cord

4. Backscatter Radiation Shielding

1.2 Packing list and coding

| | | |
|---|--|--|
| <p>HyperLight Main Body (1 pcs)</p>  A handheld medical device with a cylindrical handle and a rectangular head containing a display and buttons. It is shown next to its protective carrying case. | <p>Base (1 pcs)</p>  A white, wedge-shaped base with a curved top edge and a small circular opening at the top. | <p>Power Adapter with removable power cord (1 pcs)</p>  A power adapter consisting of a rectangular box with a power cord and a standard electrical plug. |
| <p>Backscatter Radiation Shielding (option)</p>  A circular, ring-shaped component with a central opening and a textured inner surface. | | |

2. Symbol Instruction

| | |
|---|---|
|  WARNING | If the instructions are not followed properly, operation may lead to hazards for the product or the user/patient. |
|  NOTE | Additional information, explanation of operation and performance. |
|  | Serial number |
|  | Type BF applied part |
|  | Alternating current |
|  | Dispose of in accordance with the WEEE directive |
|  | Keep dry |
|  | Temperature limitation |
|  | Humidity limitation |
|  | Atmospheric pressure limitation |
|  | Catalogue number |
|  | Manufacturer |
|  | Date of manufacture |
|  | Lot of manufacture |
|  | Authorized Representative in the European Community |
|  | Manufacturer's LOGO |
|  | Follow instructions for use |
|  | Warning of ionizing radiation |
|  | External extension cord interface |

3. Foreword

3.1 Scope of application

The HyperLight Hand-held Dental X-ray System is indicated for use only by a trained and qualified dentist or dental technician for both adult and pediatric subjects as an extraoral diagnostic dental X-ray source to produce X-ray images using intraoral image receptors.

This device must only be used in hospital environments, clinics or dental offices by trained and qualified dental personnel and not used in the oxygen-rich environment.

3.2 Contraindications

The device is designed for use with patients of any overall health status, as solely determined by the practitioner, with the following considerations for specific circumstances:

- **Pregnant women.** The medical practitioner must weigh the benefits conferred by use of the device against the potential hazard to the pregnant woman and fetus resulting from radiation exposure. If use of the device is considered justified, the practitioner must take the appropriate precautions, such as use of radiation safety garments, to limit radiation exposure beyond the maxillofacial complex.
- **Pediatric.** The medical practitioner must weigh the benefits conferred by use of the device against the potential hazard to the child resulting from radiation exposure, considering the maturity of the child's physical development. If use of the device is considered justified, the practitioner must take the appropriate precautions, such as use of radiation safety garments, to limit radiation exposure beyond the maxillofacial complex.
- **Patients with medical conditions causing involuntary movements.** For patients who experience seizures or who have been diagnosed with conditions such as Parkinson's Disease which can cause difficulty in controlling physical movements, the medical practitioner must weigh the benefits conferred by use of the device against the potential hazard to the patient resulting from additional radiation exposure due to a re-scan in the event that an involuntary movement renders an image unusable for diagnostic purposes.



WARNING

Read the following warnings before use:

1. The device must not be placed in humid surroundings or anywhere where it can come into contact with any type of liquids.
2. Do not expose the device to direct or indirect heat sources. The device must be operated and stored in a safe environment.
3. The device requires special precautions with regard to electromagnetic compatibility (EMC) and must be installed and operated in strict compliance with the EMC information. In particular, do not use the device in the vicinity of fluorescent lamps, radio transmitters, remote controls and do not use this system near the active HF Surgical Equipment in the hospital. Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 30 cm (12 inches) to any part of Hand-held Dental X-ray System, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result. Do not charge, operate or store at high temperatures. Comply with the specified operating and storage conditions.
4. Gloves are compulsory during treatment.
5. If irregularities occur in the device during treatment, switch it off. Contact the agency.
6. Never open or repair the device yourself, otherwise, void the warranty.

4. Safety Precautions

4.1 Radiation Safety

The HyperLight was designed to be used in clinical settings (e.g., a dental office) and controlled settings where transportation or use of other X-ray devices might be prohibitive due to the device's size and/or mobility.



This X-ray unit may be dangerous to patient and operator unless safe exposure factors, operating instructions, and maintenance schedules are observed.

The HyperLight provides a high degree of protection from unnecessary radiation. However, no practical design can provide complete protection nor prevent operators from exposing themselves or others to unnecessary radiation. It is important to restrict use and follow all applicable government radiation protection regulations. Pregnant women should not be exposed to X-rays unless necessary. Proper safety precautions should be taken to minimize dose to the fetus.

Operators must be fully acquainted with industry safety recommendations, established maximum permissible doses, and local jurisdiction requirements for use.



This X-ray unit must only be operated by trained personnel in a controlled setting. Within such a setting, ensure that only the patient is in the direct beam of the x-ray, and that any ancillary personnel are a minimum of 6 feet away from the patient. If it is necessary for any ancillary personnel to be closer than 6 feet, these personnel should stay out of the direct beam and wear personal protective equipment, such as an apron and thyroid collar.



In implementing a radiation protection program, consult all applicable regulations governing radiation protection and the use of X-ray equipment, and ensure full compliance with any such regulations.

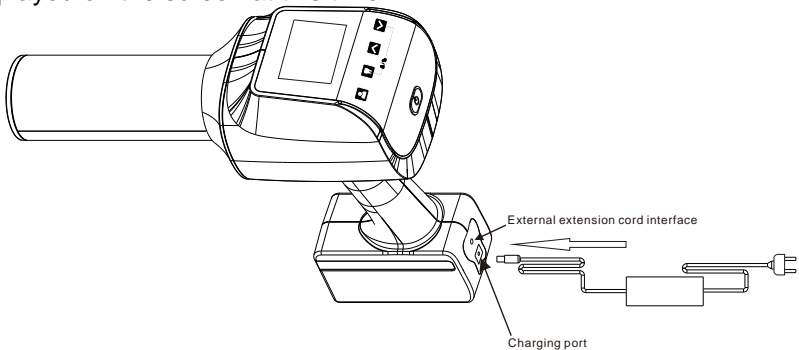
4.2 Leakage Dose

| Leakage Dose | Permissive Range |
|---|------------------|
| 65 kVp, 2.5 mA, 0.5 s (Max. Exposure Condition) At Focal Spot to Distance 1 m 1 : 30 Duty Cycle | < 0.25 mGy/h |

5. Installation

5.1 Plug in the charging cable

First open the silicone cover, then plug one end of the charger into the machine and the other end into the socket. The charging icon will be displayed on the screen at this time.

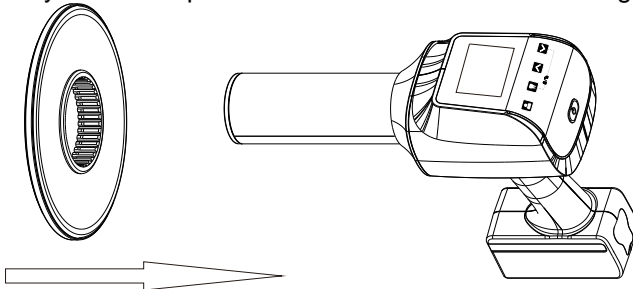


NOTE

Extension cords are not provided.

5.2 Install backscatter radiation shielding





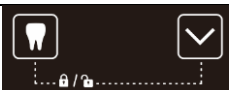


Put the backscatter radiation shielding on the machine. This step is required only when an optional backscatter radiation shielding is required.



6 Operation

6.1 Operation panel instructions

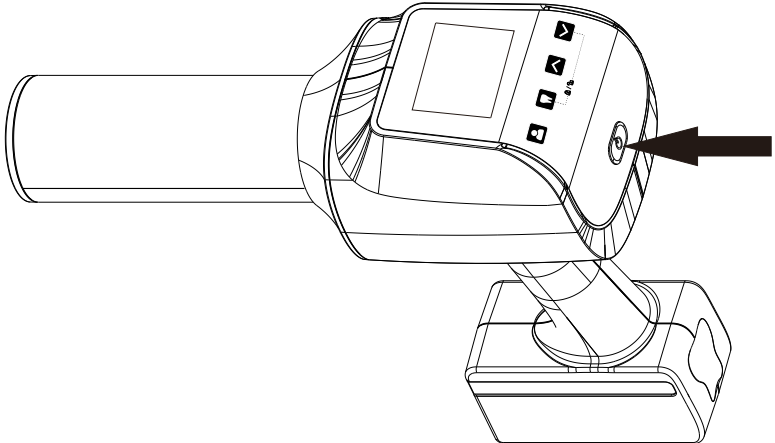


| Symbol | Type |
|---|--|
|  | Choose adult mode or child mode |
|  | Choose tooth type |
|  | Increase exposure time |
|  | Reduce exposure time |
|  | Press two buttons at the same time to lock or unlock the machine. |
|  | Press these two buttons at the same time to enter the setting interface. |
|  | Power Button |

6.2 Power On/Off

6.2.1 Power On

1. First press the power button and then let go, then the screen will enter the boot interface.



2. Make sure that the battery level is not lower than the figure below.

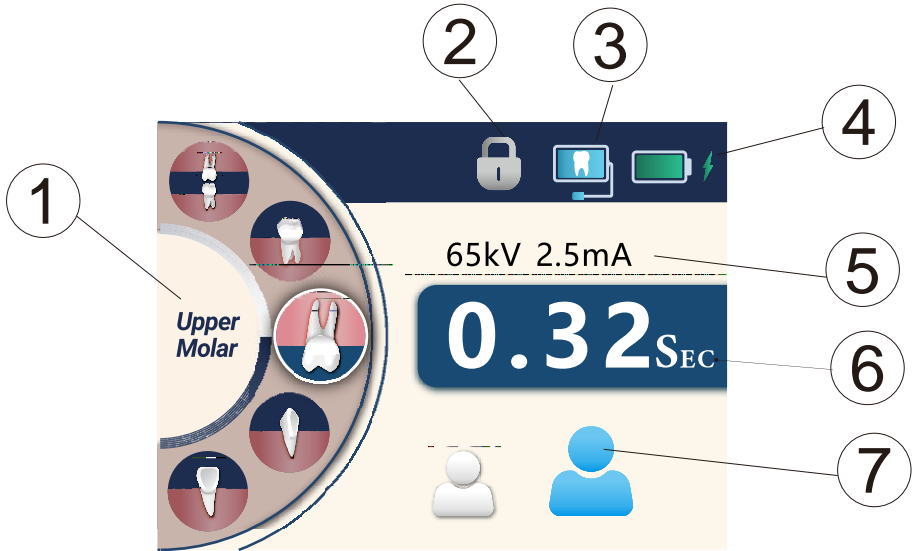










Battery level 1

6.2.2 Power Off






Long press the power button to shut down.

6.3 Screen instructions








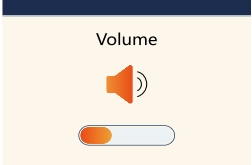
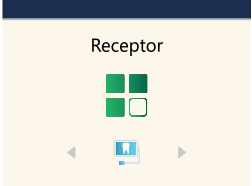
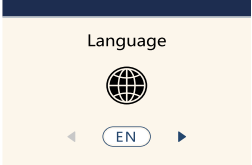
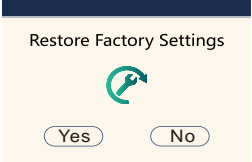
| No. | Item | Description | |
|-----|---|----------------|--|
| 1 |  | Bitewing | Selects the tooth type. |
| |  | Lower Molar | |
| |  | Upper Molar | |
| |  | Canine | |
| |  | Incisor | |
| 2 |  | Digital Sensor | Use the sensor to receive X-rays |
| |  | Phosphor Plate | Use the Phosphor Plate to receive X-rays |
| |  | Film | Use the Film to receive X-rays |

6 Operation

| | | | |
|---|---|--------------------------------|--|
| 3 |  | Machine lock | The machine is locked and cannot be exposed. |
| 4 |  | Remaining Battery Indicator | Indicates remaining battery level. When the indicator light starts to red glow, it means the battery needs to be charged. |
| |  | Battery Charging Indicator | Indicates the battery charger is connected to the device. |
| 5 | 65kV 2.5mA | Tube Voltage/Current Indicator | Indicates the tube voltage and tube current of the system. |
| 6 |  | Time Display | Displays the X-ray exposure time. |
| 7 |  | Adult/Child Selection | Indicates a patient type (adult or child). |

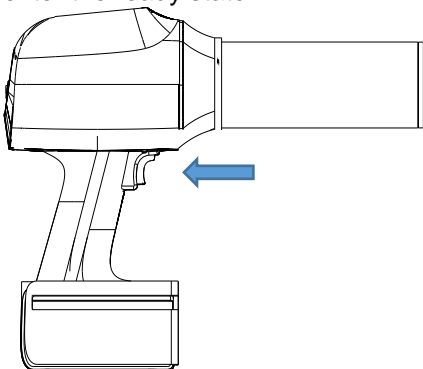
6.4 Set interface

After starting up, you can press the  and  buttons at the same time to enter the setting interface, press the  to turn the page, and press the  and the  to adjust the displayed parameters.

| Display content | Meaning |
|---|---|
|  | Adjust the volume of the machine. |
|  | Select the type of receptor. |
|  | Choose a language. |
|  | Choose whether to restore factory settings. |

6.5 Use of exposure function

1. After selecting the exposure time, short press the exposure button to enter the ready state.



2. In the ready state, the screen will display the inclination angle of the machine to the ground plane and the 60S countdown.



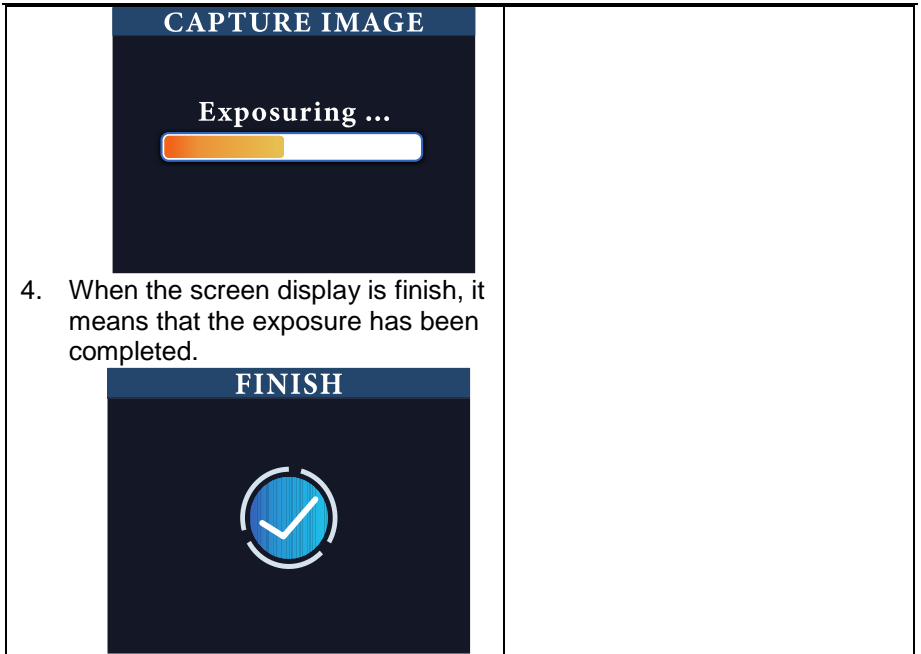
3. At this time, you need to press and hold the exposure button again for exposure.



Warning

- During the exposure, keep pressing the exposure button until the exposure is over. During the exposure, if you release the exposure button, the exposure will stop immediately.

6 Operation

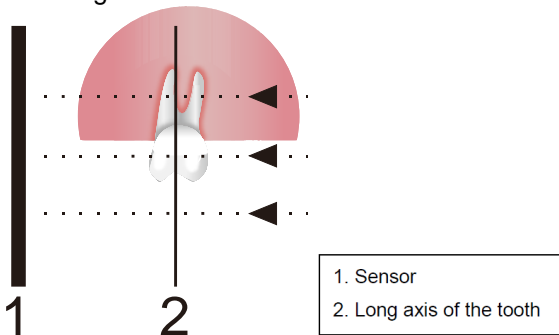


4. When the screen display is finish, it means that the exposure has been completed.

6.5 Positioning Instructions

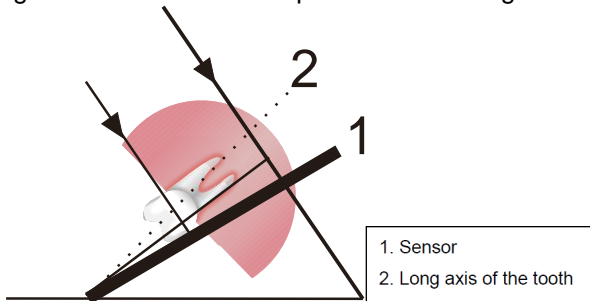
6.5.1 Paralleling technique

The sensor is placed in a holder which is used to align the sensor parallel to the long axis of the teeth.


















6.5.2 Bisected angle technique

The patient holds the sensor in place with his/her finger. The X-ray beam is directed perpendicularly towards an imaginary line, which bisects the angle between the sensor plane and the long axis of the tooth.





















Position the tube head to the patient according to the accepted standard positioning procedures.

6.5.3 Recommended angle and default exposure time for each tooth type

| Receptor | | Patient | Teeth | | Angle of inclination (The patient sits in a chair vertically.) | Exposure time(s) |
|--|----------------|---------|---|-------------|--|------------------|
|  | Digital Sensor | Adult |  | Bitewing | +5° ~ +8° | 0.4 |
| | | |  | Lower Molar | -5° | 0.2 |
| | | |  | Upper Molar | +30° | 0.32 |
| | | |  | Canine | Maxilla: +45° Mandible: -20° | 0.25 |
| | | |  | Incisor | Maxilla: +45° Mandible: -25° | 0.16 |
| | | Child |  | Bitewing | +5° ~ +8° | 0.32 |
| | | |  | Lower Molar | -5° | 0.13 |
| | | |  | Upper Molar | +30° | 0.2 |
| | | |  | Canine | Maxilla: +45° Mandible: -20° | 0.1 |
| | | |  | Incisor | Maxilla: +45° Mandible: -25° | 0.08 |
|  | Phosphor Plate | Adult |  | Bitewing | +5° ~ +8° | 0.5 |
| | | |  | Lower Molar | -5° | 0.25 |
| | | |  | Upper Molar | +30° | 0.4 |

6 Operation

| | | | | | | | |
|---|-------------|---------------------------------|---|---|---------------------------------|-----------|------|
|  | Film | Child |  | Canine | Maxilla: +45° Mandible: -20° | 0.32 | |
| | | |  | Incisor | Maxilla: +45° Mandible: -25° | 0.2 | |
| | | |  | Biteewing | +5° ~ +8° | 0.4 | |
| | | |  | Lower Molar | -5° | 0.16 | |
| | | |  | Upper Molar | +30° | 0.25 | |
| | | |  | Canine | Maxilla: +45° Mandible: -20° | 0.13 | |
| | | |  | Incisor | Maxilla: +45° Mandible: -25° | 0.1 | |
| | | Adult |  | Biteewing | +5° ~ +8° | 0.8 | |
| | | |  | Lower Molar | -5° | 0.4 | |
| | | |  | Upper Molar | +30° | 0.63 | |
| | | |  | Canine | Maxilla: +45° Mandible: -20° | 0.5 | |
| | | |  | Incisor | Maxilla: +45° Mandible: -25° | 0.32 | |
| | | | Child |  | Biteewing | +5° ~ +8° | 0.63 |
| | | | |  | Lower Molar | -5° | 0.25 |
|  | Upper Molar | +30° | | 0.4 | | | |
|  | Canine | Maxilla: +45° Mandible: -20° | | 0.2 | | | |
|  | Incisor | Maxilla: +45° Mandible: -25° | | 0.16 | | | |

7 Cleaning

1. Use medical alcohol (Ethanol 70 to 80 vol%) to wipe the surface of the HyperLight ,charger,base and Backscatter Radiation Shielding. Do not use cleaning agents other than ethanol,since certain chemical combinations may deteriorate the HyperLight plastic prematurely.
2. Unplug the charging cradle before cleaning.



NOTE

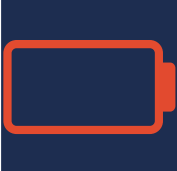

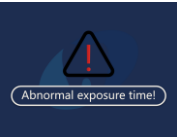


The HyperLight, the base, the charging cradle, and the AC power supply are not designed to be subjected to any kind of sterilization procedure.

8 Maintenance

If you do not use the machine for a long time, you need to charge the machine every 6 months.

9 Troubleshooting

When trouble is found, check the following points before contacting your distributor. If none of these are applicable or the trouble is not remedied even after action has been taken, the product may have failed. Contact your distributor.

| Malfunction | Causes | Methods |
|---|--------------------------------------|---|
|  | Insufficient charge | Use the charger to charge the machine. |
|  | The machine temperature is too high. | Let stand for more than half an hour. |
|  | Abnormal exposure time | During the exposure process, the finger released the exposure button, causing the exposure to be forcibly terminated. |
|  | Drop detected | A fall of the machine is detected, which may cause damage to the machine. |
|  | Check the battery | Frequent use of the machine for a long time causes the battery temperature to be too high. |

10 Technical Data

10.1 Main Body Technical Data

| | |
|------------------------------------|--|
| Manufacturer | Changzhou Sifary Medical Technology Co., Ltd. |
| Model | HyperLight |
| Package Dimensions | 489mm×367.5mm×219mm (±10%) |
| Total Weight | 4kg±20% |
| Charger power supply | ~100-240V 50/60Hz |
| Power supply | Lithium ion battery: 14.8V, 2500mAh +10% |
| Charger power output | 24V $\overline{\text{---}}$ 1.5A |
| Ray type | X Ray |
| X-ray tube model | KL11-0.4-70 |
| Tube voltage | 65kV(±10%) |
| Tube Current | 2.5mA (±20%) |
| Exposure time adjustment range | 0.02-2S |
| Nominal power | 162.5W nominal at 65kV, 2.5mA |
| Inherent Filtration | 0.8mmAl |
| Total Filtration | 1.8mmAl |
| Duty Cycle | 1:30 |
| Minimum source to skin distance | >20cm (from focal spot to cone tip) |
| Nominal dose output at cone tip | 3mGy/sec. |
| X-ray field size and configuration | 57mm diameter circle |
| Applied part | BF |
| Electrical safety class | Class IIb |
| IPX specification | IPX0; do not operate under wet conditions |
| Mode of operation | Intermittent operation 2S ON/60S OFF |
| Ambient conditions | Use: in enclosed spaces Ambient temperature: 10°C ~ 40°C Relative humidity: <80%; non-condensing at 0° |

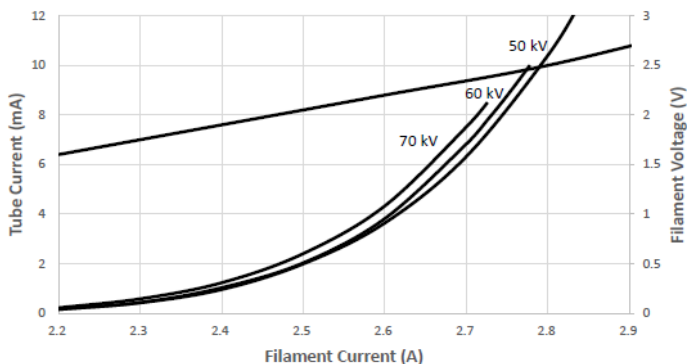
10 Technical Data

| | |
|----------------------------------|---|
| | Operating altitude < 3000m above sea level |
| Transport and storage conditions | <ul style="list-style-type: none">• Ambient temperature: -20 °C ~ +55 °C• Relative humidity: 20% - 80 %, non-condensing at > 40 °C• Atmospheric pressure: 70 kPa - 106 kPa |

10.2 X-ray Tube Specifications and Characteristics

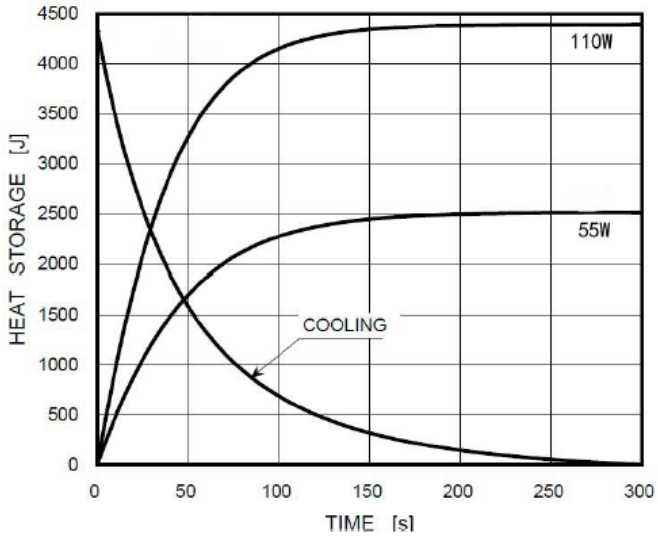
| | |
|---|------------|
| Filament voltage | 2.4-3.0V |
| Maximum filament current | 2.9A |
| Nominal tube voltage | 70kV |
| X-ray source assembly maximum heat content | 4500J |
| Maximum anode cooling rate | 110W |
| Nominal anode input power | 600W |
| Target material | Tungsten |
| Minimum target angle | 12° |
| Filament voltage (at maximum filament current 2.9A) | 2.4~ 3.0V |
| Minimum permanent filtration (IEC 60522:1999) | 0.8mm/75kV |
| Nominal focal spot (IEC 60336:1993) | 0.4mm |

Emission & Filament Characteristics (Half Wave Self-Rectified)

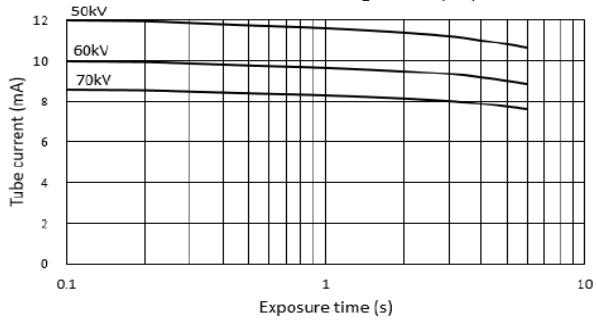


:

10 Technical Data



Maximum Rating Charts (AC)



11 EMC Tables

| Guidance and manufacturer's declaration – electromagnetic emissions | | |
|---|-------------------|--|
| The HyperLight is intended for use in the electromagnetic environment specified below. The customer or the user of the HyperLight should assure that it is used in such an environment. | | |
| Emissions test | Compliance | Electromagnetic environment - guidance |
| RF emissions CISPR 11 | Group 1 | The HyperLight uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment. The HyperLight is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes. |
| RF emissions CISPR 11 | Class B | |
| Harmonic emissions IEC61000-3-2 | Class A | |
| Voltage fluctuations/flicker emissions IEC 61000-3-3 | Complies | |

| Guidance and manufacturer's declaration – electromagnetic immunity | | | |
|---|--|---|--|
| The HyperLight is intended for use in the electromagnetic environment specified below. The customer or the user of the HyperLight should assure that it is used in such an environment. | | | |
| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment - guidance |
| Electrostatic Discharge (ESD) IEC 61000-4-2 | +/-8 kV contact +/-15kV air | +/-2, 4, 6 & 8kV contact +/-2, 4, 8, & 15 kV air | Floors should be wood, concrete or ceramic tile. If floors are synthetic, the r/h should be at least 30% |
| Electrical fast Transient/burst IEC 61000-4-4 | +/-2 kV for power supply lines +/-1 kV for input/output lines | +/-0.5, 1 & 2 kV for power supply lines +/-0.5 & 1 kV for input/output lines | Mains power quality should be that of a typical commercial or hospital environment. |

11 EMC Tables

| | | | |
|--|---|--|--|
| Surge IEC 61000-4-5 | +/-1 kV differential mode +/-2 kV common mode | +/-0.5 & 1 kV differential mode +/-0.5, 1 & 2 kV | Mains power quality should be that of a typical commercial or hospital environment. |
| Voltage dips, short interruptions and voltage variations on power supply input lines IEC 61000-4-11 | 100 % Dip; for 0,5 cycles At 0° , 45° , 90° , 135° , 180° , 225° , 270° and 315° 60% Dip for 1 Cycle 30% Dip for 25 Cycles 100% Dip for 5 Seconds | 100 % Dip for 0,5 cycles At 0° , 45° , 90° , 135° , 180° , 225° , 270° and 315° 60% Dip for 1 Cycle 30% Dip for 25 Cycles 100% Dip for 5 Seconds | Mains power quality should be that of a typical commercial or hospital environment. If the user of the HyperLight requires continued operation during power mains interruptions, it is recommended that the HyperLight be powered from an uninterruptible power supply or battery. |
| Power frequency (50/60 Hz) magnetic field IEC 61000-4-8 | 30A/m | 3 & 30A/m | Power frequency magnetic fields should be that of a typical commercial or hospital environment. |

Guidance and Manufacturer's Declaration – Electromagnetic Emissions

The HyperLight is intended for use in the electromagnetic environment specified below. The customer or user of the HyperLight should ensure that it is used in such an environment.

| | | | |
|----------------------|-----------------------------|-------------------------|---|
| Immunity test | IEC 60601 test level | Compliance level | Electromagnetic environment - guidance |
|----------------------|-----------------------------|-------------------------|---|

11 EMC Tables


| | | | |
|-------------------------------|--|--|---|
| Conducted RF IEC 61000-4-6 | 3 Vrms 150 kHz to 80 MHz 6Vrms in ISM bands between 0,15 MHz and 80 MHz | (V1)=3Vrms (E1)= 6Vrms in ISM bands | Portable and mobile communications equipment should be separated from the HyperLight by no less than the distances calculated/listed below: $D=(3.5/V1)(\text{Sqrt } P)$ 150kHz to 80MHz |
| Radiated RF IEC 61000-4-3 | 3 V/m 80 MHz to 2,7 GHz | (E1)=3V/m | $D=(3.5/E1)(\text{Sqrt } P)$ 80 to 800 MHz $D=(7/E1)(\text{Sqrt } P)$ 800 MHz to 2.5 GHz where P is the max power in watts and D is the recommended separation distance in meters. Field strengths from fixed transmitters, as determined by an electromagnetic site survey, should be less than the compliance levels (V1 and E1). Interference may occur in the vicinity of equipment containing a transmitter. Where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and D is the recommended separation distance in meters (m). |

Guidance and Manufacturer's Declaration – Electromagnetic Emissions

The HyperLight is intended for use in the electromagnetic environment specified below. The customer or user of the HyperLight should ensure that it is used in such an environment.

| | | | |
|---------------|----------------------|------------------|--|
| Immunity Test | IEC 60601 Test Level | Compliance Level | Electromagnetic Environment – Guidance |
|---------------|----------------------|------------------|--|

11 EMC Tables

| | | | |
|--|--|--|--|
| | | | <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey, should be less than the compliance level in each frequency range. Interference may occur in the vicinity of equipment marked with the following symbol:</p> <div style="text-align: center;">  </div> |
|--|--|--|--|

NOTE 1 At 80 MHz and 800 MHz, the higher frequency range applies.
NOTE 2 These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

1. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the Model 005 is used exceeds the applicable RF compliance level above, the Model 005 should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as re-orienting or relocating the Model 005.
2. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 1 V/m.
3. The ISM (industrial, scientific and medical) bands between 0.15 MHz and 80 MHz are 6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz; and 40.66 MHz to 40.70 MHz. The amateur radio bands between 0.15 MHz and 80 MHz are 1.8 MHz to 2.0 MHz, 3.5 MHz to 4.0 MHz, 5.3 MHz to 5.4 MHz, 7 MHz to 7.3 MHz, 10.1 MHz to 10.15 MHz, 14 MHz to 14.2 MHz, 18.07 MHz to 18.17 MHz, 21.0 MHz to 21.4 MHz, 24.89 MHz to 24.99 MHz, 28.0 MHz to 29.7 MHz and 50.0 MHz to 54.0 MHz.

| | | | |
|--|----------------------|------------------|--|
| Recommended Separation Distances Between Portable and Mobile RF Communications Equipment and the HyperLight device | | | |
| The HyperLight is intended for use in the electromagnetic environment in which radiated disturbances are controlled. The customer or user of the HyperLight can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF Communications Equipment and the HyperLight recommended below, according to the maximum output power of the communications equipment. | | | |
| Immunity Test | IEC 60601 Test Level | Compliance Level | Electromagnetic Environment – Guidance |
| Separation Distance According to Frequency of Transmitter | | | |

11 EMC Tables

| Rated Maximum Output Power (Watts) | m | | |
|---|---|---|---|
| | Separation (m) 150kHz to 80MHz $D=(3.5/\sqrt{P})(\sqrt{P})$ | Separation (m) 80 to 800MHz $D=(3.5/\sqrt{E1})(\sqrt{P})$ | Separation (m) 800MHz to 2.5GHz $D=(7/\sqrt{E1})(\sqrt{P})$ |
| 0.01 | 0.117 | 0.117 | 0.233 |
| 0.1 | 0.369 | 0.369 | 0.738 |
| 1 | 1.167 | 1.167 | 2.333 |
| 10 | 3.689 | 3.689 | 7.379 |
| 100 | 11.667 | 11.667 | 23.333 |
| <p>For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be determined using the equation applicable to the frequency of the transmitter, where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.</p> <p>NOTE 1 At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.</p> <p>NOTE 2 The ISM (industrial, scientific and medical) bands between 150 kHz and 80 MHz are 6.765 MHz to 6.795 MHz; 13.553 MHz to 13.567 MHz; 26.957 MHz to 27.283 MHz; and 40.66 MHz to 40.70 MHz.</p> | | | |



WARNING

1. Use of accessories and cables other than those specified or provided by the manufacturer of HyperLight could result in increased electromagnetic emissions or decreased electromagnetic immunity of HyperLight and result in improper operation.

Cable information:

| Cable Name | Cable Length (m) | Shielded or not | Remark |
|------------------------------------|------------------|-----------------|--------|
| Power Adapter | 1.2 | NO | / |
| Power Adapter removable power cord | 1.4 | NO | / |

2. Use of HyperLight adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, HyperLight and the other equipment should be observed to verify that they are operating normally

12 Statement

Service Life

The service life of HyperLight series products is 5 years.

Maintenance

MANUFACTURE will provide circuit diagrams, component part lists, descriptions, calibration instructions to assist to SERVICE PERSONNEL in parts repair.

Disposal

The package should be recycled. Metal parts of the device are disposed as scrap metal. Synthetic materials, electrical components, and printed circuit boards are disposed as electrical scrap. Please deal with them according to the local environmental protection laws and regulation.

Rights

All rights of modifying the product are reserved to the manufacturer without further notice. The pictures are only for reference. The final interpretation rights belong to CHANGZHOU SIFARY MEDICAL TECHNOLOGY CO., LTD. The industrial design, inner structure, etc, have claimed for several patents by SIFARY, any copy or fake product must take legal responsibilities.



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