



OPTICAL AND VIDEO LARYNGOSCOPE SYSTEM
WITH LCD MONITOR AND
DEDICATED "PICTURE CAPTURE DEVICE" CAMERA



USER'S MANUAL

Please read this manual thoroughly before use
and save for future reference.

Note: Numbers used in text refer to IDENTIFICATION
OF PARTS diagram on Page 3

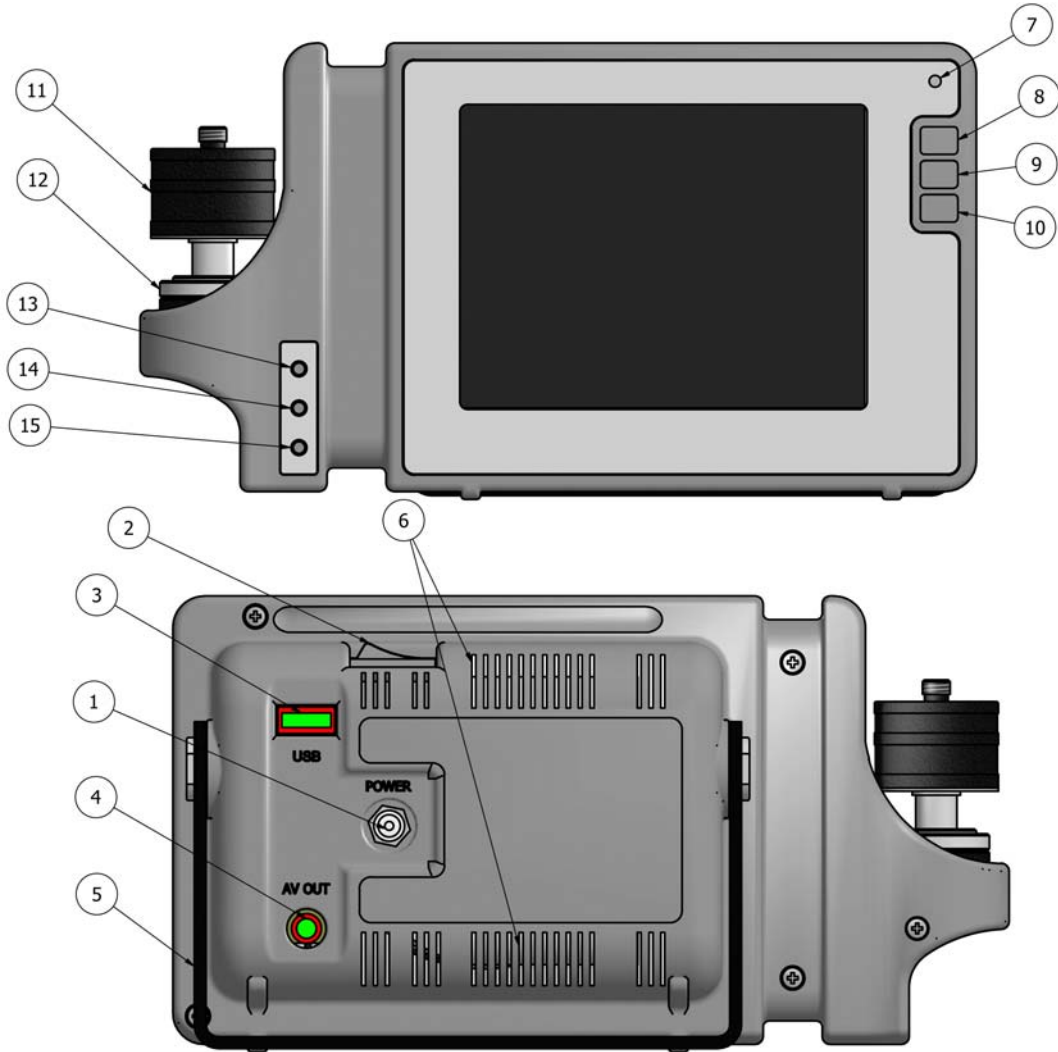


TRUVIEW PCD™

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CHAPTER 1 PRODUCT DESCRIPTION AND PARTS DIAGRAM



Truview PCD	
Part number	Description
1	Power port
2	Power ON/OFF button
3	USB port
4	AV port
5	Rotating handle
6	Ventilation outlet
7	Standby LED
8	Standby button
9	Brightness button up
10	Brightness button down
11	PCD camera head
12	Focus ring
13	Green LED - Battery Status
14	Yellow LED - Battery Status
15	Red LED - Battery Status

FUNCTION AND DESIGNATED USE OF THE TRUVIEW PCD

The Truview PCD video and optical laryngoscope is intended to enable the medical professional to perform routine and difficult oral intubation cases while using a minimal amount of force and with a reduced rate of side effects to the patient, such as sore throat or soft tissue damage.

Truview PCD can also be used in nasal intubations.

The Truview PCD laryngoscope blades are available in a range of 5 sizes. Each blade can be connected to a dedicated 5 inch LCD monitor via a unique camera for obtaining clear visual pictures of the intubation process. In this way clinical safety is greatly improved and the incidence of incorrectly positioned endotracheal tube is reduced.

The Truview PCD blades contain optics that refracts the line of vision in order to obtain an improved Cormack & Lehane grade of difficulty.

The addition of oxygen during the intubation procedure via the unique oxygen port on the Truview PCD blades serves to slow the rate of desaturation, prevents the accumulation of mist and secretions on the lenses and ensures a clear visual picture of the entire procedure.

Truview PCD is lightweight and portable and is ready without delay to perform in any situation.

We are confident that you will enjoy many years of satisfactory use of the Truview PCD video and optical laryngoscope.

Thank you for purchasing Truphatek® products. Proper care, maintenance and the use of only Truphatek® spare parts, accessories and bulbs will ensure the long life and satisfactory performance of your purchase.

While every care is taken to ensure the accuracy of these instructions, we reserve the right to make modifications and improvements as we deem necessary in the interest of our customers.

Note: Truphatek®, Truview PCD™, FibreClip™, OptiShape™ and TruLED PCD™ are trademarks of Truphatek International Ltd. and are not to be used without prior written permission.

Registered patents cover Truview™ designs.

CHAPTER 2

CAUTIONS AND WARNINGS

- The Truview PCD monitor is categorized as a Class A product, not designed for use in the home environment. In such environments the monitor may cause interference in radio and television broadcasts.
- It is the users' responsibility to read and understand these instructions prior to use of Truview PCD monitor laryngoscope blades and TruLED PCD handles.
- Tracheal intubation requires specialized training. Only personnel who have received such training should be authorized to use the Truview PCD.
- Any piece of medical equipment may transmit infection from patient to patient. Appropriate measures must be taken to clean, disinfect and sterilize the Truview PCD equipment between patients and to maintain them in a clean state.
- Ensure that the Truview PCD blades are clean and undamaged prior to use.
- Do not attempt to use the Truview PCD unless pre-use checks as described herein have been carried out successfully.
- **The Truview PCD monitor needs to be charged before first use.**
- Following periods of storage or non-use for two weeks or longer, the Truview PCD monitor and/or TruLED PCD handles should be recharged prior to use.
- Power ON/OFF button (2) must be in OFF position during battery charging.
- Do not use the Truview PCD monitor while battery is being charged.
- When the Power button is ON and the monitor's battery is fully charged, all three Battery Status LEDs will light up.
- When the monitor's battery has reached 50% capacity, only the Yellow and Red Battery Status LEDs will light up.
- When the monitor's battery has reached 20% capacity, only the Red Battery Status LED will light up. This indicates that there are only 40 minutes of battery life remaining and the battery should be charged immediately.
- Do not steam autoclave the optical view tube of the Truview PCD blade. Follow cleaning and maintenance instructions herein.
- When charging the TruLED PCD handle, red LED at the bottom of the handle indicates that the battery is charging. Green LED at the bottom of the handle indicates that charging is completed and the handle is ready for use.

CHAPTER 3 STARTING UP



1. Ensure that Truview PCD™ LCD monitor is fully charged.

Important notes:

- *monitor must be turned off while charging**
- *charging should be done outside of the operating room**

2. Ensure that batteries in the handle are fully charged.

Note: When plugged in the green LED at the bottom of the TruLED PCD handle lights up to indicate that batteries are fully charged.

3. Ensure that optical view tube is correctly positioned on the blade.



4. Connect Truview PCD™ laryngoscope blade to TruLED PCD™ rechargeable handle.
5. Perform pre-use check to ensure laryngoscope blade and handle light up.
6. Before every use check optical view tube lenses for signs of scratches or damage. Replace optical view tube if necessary.

7. Connect oxygen supply line to oxygen port or apply anti-fog solution.

Oxygen flow guidance:

- Blade sizes 0 and 1 - up to 5 liters/minute (*)
- Blade sizes 2, 3 & 4 - up to 10 liters/minute (*).

(*) These oxygen rates are for guidance purposes only. Actual flow rates depend upon numerous clinical and professional considerations and are to be decided by the treating clinician.

8. Carefully disengage the PCD dedicated camera head (11) from the magnetic cradle on the side of the Truview PCD™ screen.
9. Securely connect the PCD camera head (11) to the eyepiece of the Truview PCD™ laryngoscope blade. Ensure alignment of the guiding pins on the PCD camera head with the gaps in the outer ring of the eyepiece and twist slightly until tightly secured.



10. Use the focus ring (12) to obtain clear, sharp vision at a distance of 10 to 20mm from the tip of the blade.



11. If necessary, modify brightness of the Truview PCD™ monitor by adjusting the 'brightness buttons' (9, 10).

CHOOSING THE RIGHT BLADE SIZE:

The following table is for guidance purposes only. The correct blade size to use depends upon numerous clinical parameters and conditions. The final decision is the sole responsibility of the treating clinician.

Blade Name	Blade Mark	Patient's Age(years)	Weight range(Kg)	Weight range (Pounds)
Neonatal	0	<1	0.8-4	2 - 9
Infant	1	1-3	4-8	9 - 18
Child	2	2-16	8-60	18 - 132
Adult	3	>16	50-120	110 - 265
Large Adult	4	>16	>120	>265

INSTRUCTIONS FOR USE

Prior to Use

Check that all parts are clean, positioned properly, that the glass prism in the optical eyepiece is undamaged, that the view through the optical system is unhindered, and blade lights up when attached to the laryngoscope handle.

It is recommended to ensure view tube is inserted properly into groove on blade.

Instructions for Use

To prevent fogging and to improve patient safety, connect the Truview PCD™ blade via the oxygen port to oxygen or medical air supply line. Alternatively, the blade can be preheated in water up to 60°C temperature or antifogging solution can be applied.

For improved control of tip of ETT, it is recommended to use the OptiShape™ stylets in the ET tube during intubation. Ensure stopper of stylet is correctly positioned in ETT to prevent stylet from protruding from tube eye.

Perform oral endotracheal intubation according to the best clinical practice procedures.

Using Truview PCD™ for Teaching and Training

It is recommended to complete several trial intubations with the Truview PCD™ prior to using the blade together with other devices.

Truview PCD™ optical laryngoscope blade can be connected to various screens in order to allow group viewing of the procedure:

- Truview PCD™ blades connect to the dedicated Truview PCD™ LCD monitor
- Truview PCD™ blades connect to endoscopic CCD camera heads with monitor.

CHARGING TRUVIEW PCD MONITOR

Before first use and after storage of the monitor for a period of two weeks or more:

1. Fully charge the monitor with power button (2) in “Off” position. This procedure can take up to 2.5 hours.
Note: Fully charged battery will provide 3 hours of continuous use before requiring recharging.
2. Connect charger into power port (1) on back of the screen.
3. Plug the charger into an a/c power source.
4. Disconnect charger plug from a/c power source and from power port.
5. Store in safe, dry place.

Before every use:

1. Check battery status to confirm that all three Battery Status LEDs are lit up.
 - If only the Red Battery Status LED is lit, there are only 40 minutes of battery life remaining and the monitor battery should be charged immediately.
2. Unplug monitor from a/c electrical connection before use. Do not leave monitor connected to electrical supply while operating the equipment.
3. Press power button (2) to ‘ON’ position.
4. Monitor brightness can be adjusted using brightness buttons (9, 10).

6. Between uses switch off power button (2) of the monitor to preserve power.
7. Important: at the end of each day ensure power button (2) is in 'OFF' position and charge the monitor and handles.

During use:

1. Monitor will automatically turn off after 30 minutes of non-use.

CHARGING TRULED PCD HANDLES

The TruLED™ PCD handles are designed exclusively for use with TruLED™ Lithium Ion Rechargeable batteries.

All charging procedures should take place outside of the operating room.

Connect the power supply directly into the bottom end of the inner battery cartridge.

Plug the power supply into the main electrical supply source.

- Red LED at bottom indicates that the battery is charging.
- Green LED indicates that charging is completed and the TruLED™ PCD handle is ready for use.
- Flashing red LED indicates a fault. Contact your local dealer for replacement battery or regarding repair of the unit.

CHAPTER 4

CLEANING AND MAINTENANCE

NOTE: On Truview PCD™ blade sizes 2, 3 and 4 some components may be disassembled. Whereas it is possible to clean the Truview PCD™ blade in its assembled form, the removable components of the Truview PCD™ blade - the replaceable FibreClip™ fibre optic light guide and the optical view tube - may be disassembled for easier handling. It is recommended to reassemble these parts carefully after cleaning and prior to storage .

DO NOT EXPOSE THE OPTICAL VIEW TUBE TO TEMPERATURES IN EXCESS OF 95°C.

Satisfactory sterilization is dependent upon various factors, including the use of mechanical cleaners, sterilizers and treatment with numerous cleaning chemicals. These factors and variations are beyond the control of Truphatek and accordingly, we cannot be held responsible for the cleanliness or degree of sterility of the instruments.

Cleaning Instructions

Immediately after use, the Truview PCD™ laryngoscope blades should be immersed in water to prevent residue adhering to the instrument. External surfaces should be gently scrubbed in soapy water with a soft brush to remove encrusted deposits. Do not use abrasive materials such as steel wool.

Rinse blades in de-mineralized water and DRY THOROUGHLY before disinfection and/or storage.

Oxygen port can be cleared and/or cleaned using an air or gas jet.

Disinfection

Hospital disinfectants, such as Cidex Plus® and Cidex OPA®, may be used. Follow the manufacturers' guidelines for recommended exposure times and solution strengths. After exposure to the solution, rinse with de-mineralized water and DRY THOROUGHLY. Thermal Disinfectors may also be used for disinfection.

Do not use chemical detergents containing caustic or alkaline ingredients such as povidone-iodine solutions, bleach, peroxide solutions, sodium hypochlorite etc. that can cause irreparable damage to the instrument.

Sterilization

It is recommended to sterilize the Truview PCD™ using Steris®, Sterrad® or Ethylene Oxide (ETO) sterilization according to manufacturers' recommendations.

DO NOT STEAM AUTOCLAVE THE TRUVIEW PCD™ BLADE SIZES 0 and 1.

DO NOT STEAM AUTOCLAVE THE OPTICAL VIEW TUBE OF THE TRUVIEW PCD™ BLADE SIZES 2, 3 and 4.

Handling of the Optical View Tube

The optical view tube on blade sizes 2, 3 and 4 can be carefully slid in and out of the tube guide for easy cleaning, disinfection and/or storage. When reassembling, ensure optical view tube is correctly inserted into groove on blade.

Handle carefully, as you would other hospital optical scopes.

THE OPTICAL VIEW TUBE SHOULD NOT BE EXPOSED TO TEMPERATURES IN EXCESS OF 95 DEGS. C AND SHOULD NOT BE STEAM AUTOCLAVED.

After cleaning, optical view tube should be thoroughly dried and reassembled onto the Truview PCD™ blade.

Care of the FibreClip™ fibre optic light guide

Disengage entire blade from handle.

Disassemble FibreClip™ by pushing with thumb in an outward direction away from the base of the blade until the FibreClip™ separates from the blade.

To re-assemble FibreClip™, first place tip of light guide into the opening on the blade. Then press base of FibreClip™ into the recess on the base of the blade, ensuring it is firmly secured. Always perform pre-use check after cleaning or replacing FibreClip™ to ensure proper performance of the blade.

Certain hospital detergents and disinfectants can cause accumulation of residue on the tips of the FibreClip™ which can be detrimental to the performance and life expectancy of the FibreClip™.

It is recommended to use at frequent intervals a non-abrasive material with ethanol or other non-acidic cleaning solutions to wipe off tip and distal end of the FibreClip™ to prevent residue buildup.

Protect from scratches.

Ultrasonic cleaning and “flash” autoclaving are not recommended and will void warranty. Repeated autoclaving may reduce light transmission and the life expectancy of the FibreClip™.

CHART SHOWING SUMMARY OF CLEANING, DISINFECTING AND STERILIZATION PROCEDURES FOR TRUVIEW PCD™ BLADES:

Clean	<ul style="list-style-type: none"> Manually clean internal and external surfaces using a soft brush. Do not use abrasive materials such as steel wool. Immerse in rinse water.
Disinfect	<ul style="list-style-type: none"> Soak the device in enzymatic solution per the manufacturers' recommendations.
Rinse	<ul style="list-style-type: none"> If the Truview PCD™ blades are to be treated in a washing machine, ensure that the temperature within the program does not exceed 95 degs. C.(*) Feel free to use detergent per the washing machine manufacturer's recommendation. It is recommended to use detergent with neutral PH level.
Sterilize	<ul style="list-style-type: none"> Use Steris®, Sterrad® or Ethylene Oxide Gas (ETO) sterilization per the manufacturers' recommendations. If Truview PCD™ blade sizes 2, 3 or 4 are to be sterilized in a steam autoclave, remove the optical view tube and set aside to be sterilized separately as described above. The remaining parts may be placed in a steam autoclave. Truview PCD™ blade sizes 0 & 1 should not be autoclaved.

(*) NOTE:

Satisfactory sterilization is dependent upon various factors, including the use of mechanical cleaners and sterilizers and treatment with numerous cleaning chemicals. These factors and variations are beyond the control of Truphatek and accordingly, we cannot be held responsible for the cleanliness or degree of sterility of the instruments.

**CARE AND MAINTENANCE
TRULED PCD™ HANDLES**

Remove inner battery cartridge.

Battery cartridge can be wiped with a dry cloth. Take care not to scratch protective glass covering the LED.

Outer sleeve may be cleaned, disinfected and sterilized using cold disinfection solutions, thermal disinfectors, Steris®, Sterrad®, ETO and steam autoclave procedures.

Care and Safety information

Protect battery cartridge from direct contact with water and fire.

Do not open or tamper with the battery cartridge or the power supply unit.

Lithium-Ion Rechargeable Batteries in Cartridge






Care and handling





Store in cool, dry conditions at temperatures between 0°C - 45°C.

Cartridge stored unused for 2 months or more will require re-charging.




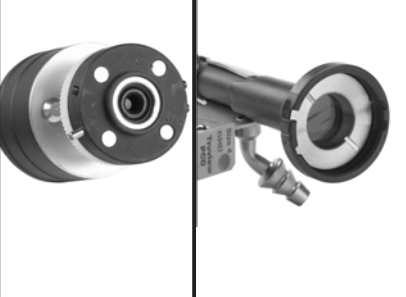
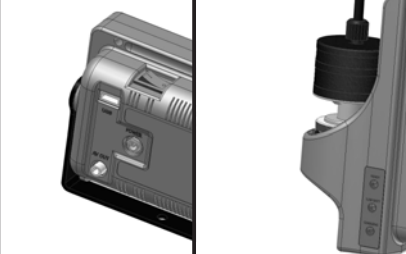
CHAPTER 5

LIST OF ACCESSORIES



Reorder code numbers	Description	Picture
4143	Pole connector for attaching PCD monitor to IV pole, 30 cm.	
4144	Blade organizer stand	
4132	Empty storage cases, without contents Hard case	
4131	Soft bag	
410000 410009 410001 410004	OptiShape stylets for ETT sizes 2.5 to 3.5 ETT sizes 4 to 5.5 ETT sizes 5 to 6.5 ETT sizes 7 to 9	

Reorder code numbers	Description	Picture
410303E	Replacement View Tubes	
42143000 42103000	Rechargeable battery for handle Adult Infant	
4145 421460	<p>Power Supply & Chargers Charger for monitor Power Supply for handle</p> <p>Please state plug style requirement - Au = Australian B = British E = European U/J = USA and Japanese</p>	
410402E	Truview PCD FibreClip™ in sets containing 2 FibreClips	


CHAPTER 6 TROUBLESHOOTING

Description	Figures	Recommended solution
Blurred or unfocused picture		Adjust the white focus ring (12).
Unclear / foggy image during intubation		<p>Oxygen port- Check the oxygen port is connected to oxygen supply line as follows: About 5 liters of oxygen/minute for blades sizes 0&1. If 5 l/m rate does not help, gradually and carefully raise the rate up to 10 liters of oxygen/minute. For blades sizes 2, 3 & 4, 10 liters of oxygen/minute. Anti- fog solution may be applied to prevent misting.</p>
The monitor goes dark during a procedure		<p>The tongue and/or tissue in posterior lateral pharynx flopping over end of light bundle. Ensure the blade was not inserted too deep. Use two fingers as guideline for approximate insertion depth.</p>
Image is not fully visible on the PCD screen		<p>Ensure the front surface of the view tube is complete clean. If necessary clean the surface with lint free cloth and alcohol. Ensure that the front surface of the camera head (11) is clean. If necessary clean it with blow of clean air or use a lint free cloth and alcohol.</p>
The monitor is flickering		<p>Wait 10 seconds to see if the monitor stabilizes. Turn off the screen. Wait several seconds and then turn it on again. If the monitor is still flickering, follow procedure for obtaining replacement from home office.</p> <p>This is correct. There is no problem with the device.</p>


PCD PART: HANDLE

Description	Figures	Recommended solution
Handle does not light up		Check the handle's battery is fully charged. Ensure the green LED at the bottom of the handle lights up to indicate charging is complete. Make sure that the blade is mounted correctly on the TruLED handle. Do not use other makes of handles. Ensure you hear a "click" when the handle is connected to the blade. If the handle still does not light up, replace cartridge. Still not working? Contact home office.
Light intensity of the handle decreases		Ensure battery cartridge is completely charged and is correctly connected inside the handle. Still not sufficient light intensity? Replace battery cartridge.

PCD PART: OPTISHAPE™

Description	Figures	Recommended solution
How do I bend the OptiShape™		The OptiShape™ is a pre-formed stylet. The design is based on professional literature and extensive research to achieve its current ideal shape. The OptiShape™ can be bent into another shape if the clinician prefers to do so.

PCD PART: FIBRECLIP

Description	Figures	Recommended solution
Fibre optic light failure		Clean the ends of the FibreClip with lint free cloth and alcohol. Ensure FibreClip is correctly inserted into the blade. First place tip of light guide pipe into groove on blade. Then press the base of the FibreClip into the recess in the base of the blade ensuring it is firmly secured.

CHAPTER 7

TECHNICAL SPECIFICATIONS

MONITOR :

Type TFT LCD

Digital Monitor size 5"

Resolution 640*480

Dot Pitch 0.059(h)*0.1587(w)

Brightness 200cd/m²

Color Depth 24Bit

CAMERA:

Sensor: 1/3" CCD type

TV system PAL

Resolution 420TV lines

Focus: Manually Adjusted.

POWER SOURCE:

Built-in Li-Ion 16.8V rechargeable battery

OUTPUT:

Analog Composite AV PAL

Digital USB-2

CONNECTION PORTS:

Total line length of USB port and AV port are less than 3 meters.

STORAGE OF SCREEN:

Store between 0-35 degs.C.

Following two weeks or more of storage, recharge monitor while POWER button is in OFF position.

NOTES:

1. DO NOT CHARGE BATTERY WHILE MONITOR IS IN USE.
2. USE ONLY TRUVIEW PCD CHARGER

- AVOID DROPPING OR STRIKING THE MONITOR.
- DO NOT COVER THE VENTILATION OUTLETS (6).
- BATTERY OF THE TRUVIEW PCD™ MODEL PCD 4150 MONITOR IS NOT USER-REPLACEABLE.
- TRUVIEW PCD™ MODEL PCD 4150 COMPONENTS ARE NOT USER-SERVICEABLE.
- ALL SERVICE AND REPAIR MUST BE PERFORMED BY TRUPHATEK AUTHORIZED SERVICE TECHNICIANS.
- ANY ATTEMPT TO DISASSEMBLE A TRUVIEW PCD™ MONITOR MAY VOID THE WARRANTY.

TruLED PCD™ ADULT HANDLE

‘Maintenance – Free’ Green System Rechargeable Laryngoscope Handles with LED light source
Tru-LED PCD™ handles are compatible with ISO 7376 international standard

Safety standards:

Unit is certified as a medical system according to EN 60601-1, EN 60601-1-1 & ITE 60950-1 (European) and UL 60601-1, IEC 60601-1-1 & UL 60950-1 (USA)

Handle is intended for use within the patient environment whereas power supply is not intended for use within the patient environment.

Safety information

Do not disassemble.

Do not short-circuit the battery terminals.

Do not expose the battery to water or fire.

Do not incinerate.

Recycle expended batteries.

Safety Instructions for Medical Equipment

Environmental Conditions for Transport and Storage

Ambient temperature range: 0-45°C

Relative humidity range: 30-95%

Atmospheric pressure range: 700-1060 hPa

Classification of the Equipment

- According to the type of protection against electric shock:
INTERNALLY POWERED EQUIPMENT
- According to the degree of protection against electric shock:
TYPE B APPLIED PART
- According to the degree of protection against ingress of water:
IPX0 – ordinary equipment
- According to the mode of operation:
SHORT-TIME OPERATION. Operation time - 5 minutes

Technical Specifications

Power Supply

Switching AC/DC power adapter: GFP051T-0505 (for Europe), GFP051U-0505 (for North America) limited power source

I/P: AC 100-240V 50/60Hz 0.2A

O/P: DC 5V 0.5A

Li-ion rechargeable Battery, 3.7V, with PCM (Protection Circuit Module) and Recharge module

White LED - Voltage 3.7V, Current 20mA, Diameter 5 mm

TRULED PCD™ INFANT HANDLE

'Maintenance – Free' Green System Rechargeable Laryngoscope Handles with LED light source
TruLED PCD™ handles are compatible with ISO 7376 international standard

Each set contains:

Infant laryngoscope handle with LED light source
Cartridge with rechargeable battery, embedded charger and protective circuit module
AC/DC adapter

Embedded charger (TruCharge model LED2) with AC/DC adapter

Product is certified as a medical system according to EN 60601-1, EN 60601-1-1 & EN 60950-1 (European) and UL 60601-1, IEC 60601-1-1 & UL 60950-1 (USA)

Medical system contains medical equipment - Infant laryngoscope handles with LED light source and non-medical equipment - Embedded charger (TruCharge model LED2) and AC/DC adapter

Infant laryngoscope handle is intended for use within the patient environment whereas embedded charger and AC/DC adapter are used outside of patient environment during battery recharging.

Classification of the medical equipment

According to the type of protection against electric shock:

INTERNALLY POWERED EQUIPMENT

According to the degree of protection against electric shock: TYPE B APPLIED PART

According to the degree of protection against ingress of water:

IPX0 ordinary equipment

According to the degree of safety of application in the presence of flammable anesthetic mixture with air or with oxygen or nitrous oxide: Category APG equipment

According to the mode of operation: SHORT-TIME OPERATION. Operation time - 5 minutes

Environmental Conditions for Transport and Storage

Ambient temperature range: 0-45°C

Relative humidity range: 30-95%

Atmospheric pressure range: 700-1060 hPa

Care and Recharging

The Infant size laryngoscope handle is designed exclusively for recharging with Lithium-Ion rechargeable battery cartridge. Use only original battery cartridges from Truphatek.

Connect AC/DC adapter output directly to the socket located at the bottom end of the handle.

Plug the adapter into socket-outlet.

Red LED at handle bottom indicates that the battery is recharging.

Green LED indicates that recharging is completed and the handle is ready for use.

Flashing red LED indicates a fault. Contact your local dealer for replacement battery cartridge or regarding repair of the unit.

Care, Handling and Safety information

Protect product units from direct contact with water and fire.

Do not open or tamper with the cartridge or the adapter.

Store cartridge in cool, dry conditions at temperatures between 0°C to 45°C.

Cartridge stored unused for 6 months or more requires recharging.

Do not incinerate. Recycle expended battery cartridge.

Technical Specifications

Switching AC/DC power adapters certified as limited power source:

GFP051T-0505 (for Europe), GFP051U-0505 (for North America)

Input: 100-240V, 50/60Hz, 0.2A

Output: 5Vdc, 0.5A

Battery cartridge contains:

Li-ion rechargeable battery of 3.7V

Charger and Protection Circuit Module (PCM)

White LED - Voltage 3.7V, Current 20mA, Diameter 5mm

CHAPTER 8

WARRANTY STATEMENT

Truphatek® products and parts made from medical grade stainless steel are unconditionally guaranteed to be of good quality and free from manufacturing defects in material and workmanship for a period of 5 years from date of manufacture, as it appears marked on the product. Replacement product will be provided without charge for any **Truphatek®** product not meeting this warranty, subject to the following terms and exceptions:

Truview PCD™ LCD monitors with dedicated Picture Capture Device are guaranteed to perform for a period of 12 months from date of manufacture, as it appears on the rear panel of the outer casing of the monitor.

FibreClip™ replaceable fibre optic light guides are guaranteed to perform for a period of 12 months from date of manufacture, as it appears embossed on the base of each FibreClip™

OptiShape™ metal, reusable, preformed stylets are guaranteed to perform for a period of 12 months from date of manufacture, as it appears on the embossed disk on each OptiShape stylet.

Tru-LED™ green system laryngoscope handles with LED light source are guaranteed to perform for a period of 5 years from date of manufacture as it appears embossed on each handle. This guarantee period does not cover the performance of the rechargeable battery.

Tru-LED™ rechargeable batteries are guaranteed to perform for a period of 18 months from date of manufacture as it appears on the battery cartridge.

All of the above guarantees are conditional to the product being used, cared for, handled, cleaned, disinfected and/or sterilized according to the manufacturer's instructions as such appear in the Instructions for Use that accompany every Truphatek product.

The above **Truphatek®** warranty does not cover products that have been deemed defective due to misuse, improper cleaning and handling, neglect, accident, unauthorized repair, unreasonable damage, improper storage or application or that have worn out after a reasonable lifetime of use.

Truphatek® will have no obligation under this warranty for:

- Products labeled "Single Use" or "Single Patient Use" where any attempt has been made to reprocess them.
- Reusable products that have been processed without following the appropriate use, care, repair and reprocessing guidelines and instructions provided by the manufacturer in the Instructions for Use manual.
- Consumables such as bulbs or LEDs.

Truphatek® reserves the right to inspect prior to repair or replacement any product that is deemed by the customer to be subject to manufacturing or materials defect.

Truphatek's obligation shall be that warranty specifically defined in this statement and shall not be liable for any consequential, incidental, direct or indirect damages or loss arising out of the design, manufacture, sale, use or repair of the products.

This warranty is given in lieu of and to the exclusion of any other warranty or condition either expressed or implied by statute or otherwise.

CONTACT INFORMATION

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EC	REP
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