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SENSEI[®] INSTRUCTIONS FOR USE

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SENSEI®

Instructions for Use

Model:

LP05-01 (Tethered Probe)

LP06-01 (Control Unit)

PROFESSIONAL USE ONLY



Further information available at: www.lightpointmedical.com



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TABLE OF CONTENTS

| 1. | Intended use | 4 |
|----------------|--|--|
| | 1.1. Indications for use | 4 |
| 2. | Performance characteristics | 4 |
| | 2.1. Performance specifications | 4 |
| | 2.2. Operating conditions | 4 |
| 3. | Device Description | 5 |
| | 3.1. Laparoscopic Tethered Gamma Probe | 5 |
| | 3.2. Control Unit | 7 |
| | 3.3. Power supply/fuse rating | 8 |
| 4. | Contraindications | . 10 |
| 5. | System Warnings, Cautions and Notes | . 10 |
| | 5.1. Warnings | 10 |
| | 5.2. Caution | 13 |
| | 5.3. Notes | 13 |
| | | |
| 6. | Definitions | . 13 |
| 6. 7. | Definitions | |
| - | | . 15 |
| 7. | Symbols | . 15 . 17 |
| 7. | Symbols Operating Instructions | 15 17 17 |
| 7. 8. | Symbols | 15 17 17 19 |
| 7. 8. | Symbols Operating Instructions 8.1. Control Unit external features 8.2. Control Unit touchscreen interface | . 15 17 17 19 26 |
| 7. 8. | Symbols Operating Instructions 8.1. Control Unit external features 8.2. Control Unit touchscreen interface Setting up the SENSEI® system | 15 17 17 19 26 26 |
| 7. 8. | Symbols Operating Instructions 8.1. Control Unit external features 8.2. Control Unit touchscreen interface Setting up the SENSEI® system 9.1. Gather all components | 15 17 17 19 26 26 27 |
| 7. 8. | Symbols Operating Instructions 8.1. Control Unit external features 8.2. Control Unit touchscreen interface Setting up the SENSEI* system 9.1. Gather all components 9.2. Control Unit set-up | 15 17 17 19 26 26 27 29 |
| 7. 8. | Symbols Operating Instructions 8.1. Control Unit external features 8.2. Control Unit touchscreen interface Setting up the SENSEI* system 9.1. Gather all components 9.2. Control Unit set-up 9.3. Conduct probe check | 15 17 17 19 26 26 27 29 34 |
| 7. 8. | Symbols Operating Instructions 8.1. Control Unit external features 8.2. Control Unit touchscreen interface Setting up the SENSEI* system 9.1. Gather all components 9.2. Control Unit set-up 9.3. Conduct probe check 9.4. Connect to an additional display | 15 17 17 19 26 26 27 34 35 |
| 7. 8. 9. | Symbols Operating Instructions 8.1. Control Unit external features 8.2. Control Unit touchscreen interface Setting up the SENSEI* system 9.1. Gather all components 9.2. Control Unit set-up 9.3. Conduct probe check 9.4. Connect to an additional display 9.5. Configure additional settings | 15 17 17 19 26 27 29 34 35 38 |

| 16 | Disposal of SENSEI [®] | 55 |
|-----|--|------|
| 15. | Storage and handling | 55 |
| 14. | Recommended compatible equipment | 54 |
| | 13.4. Replacement of fuses | . 53 |
| | 13.3. How to use the grounding connection on the Control Unit | . 52 |
| | 13.2. System diagnostics | . 51 |
| | 13.1. Cleaning procedures | . 51 |
| 13. | Maintenance | 51 |
| 12. | Troubleshooting | 48 |
| 11. | Shutdown procedure | 47 |
| | 10.7. Removing the Tethered Probe from the patient – Open Surgery | . 46 |
| | Laparoscopic Surgery) | |
| | 10.6. Removing the Tethered probe from the patient – Laparosopic Surgery (including Robotic Assisted | |
| | 10.5. Changing range – "Manual" mode | . 43 |
| | 10.4. Scanning a patient using the Tethered Probe – Open Surgery | . 42 |
| | 10.3. Scanning a patient using the Tethered Probe – Laparoscopic Surgery | . 40 |



1. INTENDED USE

SENSEI[®] is an intra-operative laparoscopic tethered gamma probe system, intended to be used to detect and quantify gamma radiation emitted by a radiopharmaceutical. The system is comprised of a Tethered Probe connected to an AC powered Control Unit.

1.1.INDICATIONS FOR USE

SENSEI[®] is indicated for external and intraoperative detection of radioactivity in body tissues or organs, where radiopharmaceuticals are administered.

2. PERFORMANCE CHARACTERISTICS

2.1.PERFORMANCE SPECIFICATIONS

| PARAMETER | VALUE |
|----------------------|---|
| MAXIMUM COUNT RATE | 99,999 Counts per second (CPS) |
| SENSITIVITY | 1200 CPS / MBq at 20mm 680 CPS / MBq at 30mm |
| ANGULAR RESOLUTION | 43 degrees FWHM |
| LATERAL RESOLUTION | 29 mm FWHM at 30mm |
| BACKGROUND REJECTION | >99.9% |

2.2.OPERATING CONDITIONS

SENSEI[®] will display the count per second rate of the activity detected in a number of the ranges.

| RANGE | COUNTS PER SECOND (CPS) |
|-------|-------------------------|
| LOW | 0 - 99 |
| MED | 0 – 999 |
| HIGH | 0 – 9,999 |
| MAX | 0 – 99,999 |



Tethered Probe:

| CONDITIONS | RANGE |
|-------------|------------------------------|
| Temperature | 10-40 °C |
| Humidity | 10%-100% RH (non-condensing) |
| Pressure | 600-1200 hPa |

Control Unit:

| CONDITIONS | RANGE |
|-------------|------------------------------|
| Temperature | 10-50 °C |
| Humidity | 10%-100% RH (non-condensing) |
| Pressure | 600-1200 hPa |

3. DEVICE DESCRIPTION

The Tethered Probe has been designed to be connected to an AC powered Control Unit. It is also possible to connect the Control Unit to an additional display (e.g. the da Vinci Surgical System, manufactured by Intuitive Surgical, Inc.).

The Tethered Probe is supplied sterile (using ethylene oxide) and is intended for single use. The Tethered Probe can be connected to a Control Unit, which will be non-sterile and designed to be reusable. The Control Unit does not come into contact with the patient and will be used outside of the sterile field.

3.1.LAPAROSCOPIC TETHERED GAMMA PROBE

The Tethered Probe allows a user to make a remote measurement in an area where an accumulation of a Technetium-99m (^{99m}Tc) labeled radiopharmaceutical will emit gamma radiation. The signal from the Tethered Probe is translated into an audible signal and is also displayed on the Control Unit.

The Tethered Probe incorporates a scintillator to convert a gamma photon into an optical photon for detection using a semiconductor-based device that converts the photon into an electrical pulse. The Tethered Probe is sensitive to gamma rays emitted by a ^{99m}Tc source, which has had no interactions before reaching the detector (so called "unscattered" gamma rays). It is also sensitive to scattered and non-target ^{99m}Tc background gamma radiation, so it is collimated and shielded to provide directional guidance and to limit the detection field of view in order to help localize suspect tissue. The sensor and associated electronics are enclosed in the Tethered Probe head, which is packaged and sealed to ensure biocompatibility.



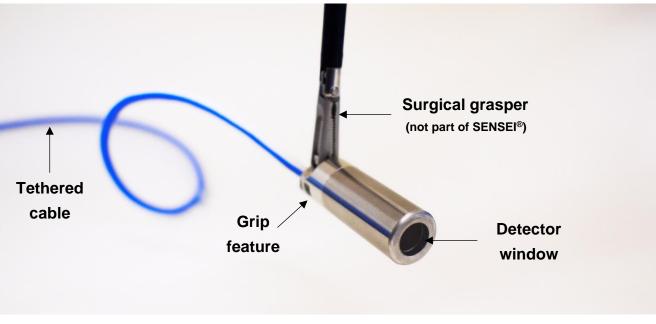
The Tethered Probe is 12mm in diameter to allow it to be inserted into a patient via a suitable trocar. The Tethered Probe is fitted with a primary grip feature to enable it to be grasped and manipulated by a laparoscopic grasper, be that robotic or manual. For open surgery a suitable grasper (e.g. Allis Tissue or Overholt forceps) can be used. The Tethered Probe has a 3m tether cable and connector to attach it to the Control Unit.



THE TETHERED PROBE IS STERILE AND SHOULD <u>ONLY</u> BE OPENED IN A STERILE ENVIRONMENT.

The gamma detector and associated electronics are enclosed in the Tethered Probe head, which is packaged to:

• shield the sensors from visible radiation while minimizing attenuation and scattering in the field of view, and to



• ensure biocompatibility of the Tethered Probe.

Figure 1 - Image of the Tethered Probe

3.1.1.SPECIFICATIONS

Tethered Probe specifications:

| LENGTH OF PROBE | 41.1mm |
|-------------------|--------|
| DIAMETER OF PROBE | 12mm |
| LENGTH OF CABLE | 3m |
| DIAMETER OF CABLE | 3.2mm |
| WEIGHT | 110g |
| IP RATING | IP68 |



3.2.CONTROL UNIT

The Control Unit uses digital technology to collect and analyze the signals from the Tethered Probe and to report the level of gamma radiation. The presentation includes both audible and visual outputs, which vary in response to the level of radiation. The visual display includes a count rate together with a graphical representation of the level.

It is important to note that the device does not display an image of the inside of the body or an image of the distribution of the radiopharmaceutical *in vivo*.

It is possible to use the SENSEI[®] system in a standalone mode. Alternatively, it can be used with a roboticassisted surgical device (e.g. the da Vinci Surgical System, manufactured by Intuitive Surgical, Inc.), where it can provide a remote visual representation of the audio output via a DVI connection.



Figure 2 - Design of the Control Unit

3.2.1 SPECIFICATIONS

Control Unit specifications:

| HEIGHT WITHOUT HANDLE | 165mm |
|-----------------------|-------|
| HEIGHT WITH HANDLE | 235mm |
| WIDTH | 320mm |
| DEPTH | 260mm |
| WEIGHT | 4kg |
| IP RATING | IP21 |



3.3.POWER SUPPLY/FUSE RATING

Three AC power cables are supplied with the SENSEI[®] Control Unit (UK plug, EU plug and US plug). The AC power supply provided for the Control Unit will conform to the following characteristics:

Power supply:

| INPUT VOLTAGE: | 100 – 250VAC |
|---------------------|-----------------------------------|
| INPUT CURRENT: | 1.22A at 100VAC 0.6A at 250VAC |
| INPUT FREQUENCY: | 50 – 60Hz |

Fuses in the Control Unit:

T2A HBC / 250VAC (20mm)

Electromagnetic compatibility (EMC)

| Phenomenon | Emission test levels Professional healthcare facility environment |
|-------------------------------------|--|
| Emissions ¹ | EN 55011* |
| Radiated and conducted RF emissions | *Classification: Group 1 and Class A |
| Conducted emissions | 150kHz – 500kHz: QP 79dBμV; AV 66dBμV 500kHz – 5MHz: QP 73dBμV; AV 60dBμV |

¹ Complies without any deviations from EN 60601-1-2 and normative references.



| | 5MHz – 30MHz: QP 73dBµV; AV 60dBµV |
|--------------------|--|
| Radiated emissions | 30MHz – 230MHz: QP 52-45dBµV/m at 3m |
| | 230MHz –1GHz: QP 52dBµV/m at 3m |
| | 1GHz – 3GHz: AV 56dBµV/m at 3m and PV 76dBµV/m at 3m |
| | 3GHz – 6GHz: AV 60dBµV/m at 3m and PV 80dBµV/m at 3m |

| Phenomenon | Standards | Immunity test levels Professional healthcare facility environment |
|---|---------------|--|
| Electrostatic Discharge | EN 61000-4-2 | \pm 8kV contact \pm 2kV, \pm 4kV, \pm 8kV and \pm 15kV air |
| Radiated Immunity | EN 61000-4-3 | 3V/m 80MHz – 2.7GHz 80% AM at 1kHz |
| Proximity fields from RF wireless communication equipment | EN 61000-4-3 | See Frequency & Range Level: RF Wireless Communication Equipment Table (below) |
| Electrical fast transients / bursts | EN 61000-4-4 | ±2kV 100kHz |
| Surge | EN 61000-4-5 | ± 0.5 kV, ± 1 kV and ± 2 kV |
| Conducted disturbances induced by RF fields | EN 61000-4-6 | 3V 0.15MHz – 80MHz 6V in ISM bands between 0.15MHz and 80MHz 80% AM at 1kHz |
| Power frequency magnetic fields | EN 61000-4-8 | 30 A/m |
| Voltage dips | EN 61000-4-11 | 0°, 45°, 90°, 135°, 180°, 225°, 270°, 315° for dips 0% Vn 10ms 0° for all other dips (0% Vn 20ms and 70% Vn 500ms) |

| Frequency range & level: RF wireless communication equipment | | | |
|--|------------------------|----|--|
| Test frequency (MHz) Modulation Immunity level (V/m) | | | |
| 385 | Pulse Modulation: 18Hz | 27 | |



| 450 | Pulse Modulation: 18Hz | 28 |
|----------------------|-------------------------|----|
| 710 745 780 | Pulse Modulation: 217Hz | 9 |
| 810 870 930 | Pulse Modulation: 18Hz | 28 |
| 1720 1845 1970 | Pulse Modulation: 217Hz | 28 |
| 2450 | Pulse Modulation: 217Hz | 28 |
| 5240 5500 5785 | Pulse Modulation: 217Hz | 9 |

4. CONTRAINDICATIONS

- SENSEl[®] should only be used with ^{99m}Tc labelled radiopharmaceuticals or a Cobalt-57 sealed radiation source. Other types of radiopharmaceuticals injected into the patient are <u>NOT</u> approved to be used with the device.
- The device should not be used by anyone other than trained HCPs, nuclear medicine physicians or surgeons performing surgery in cancer patients.
- \sum SENSEI[®] should not be used outside of what is described in these Instructions for Use (IFU).

5. SYSTEM WARNINGS, CAUTIONS AND NOTES

The section below should be read and understood before operating SENSEI[®]. This section provides operational warnings, cautions and notes for the safe operation of SENSEI[®].

5.1.WARNINGS



DO NOT USE THE TETHERED PROBE IF THE PACKAGING IS DAMAGED OR BROKEN

DO NOT USE THE TETHERED PROBE IF IT IS NO LONGER STERILE

(e.g. the Tethered Probe has been placed on a surface outside the sterile field).



• <u>The surgical team should keep the Tethered Probe sterile throughout the duration of surgery, in</u> particular any part of the product that comes into direct contact with the patient.

DO NOT REUSE OR RE-STERILIZE THE TETHERED PROBE

- The Tethered Probe is a single use device. It should not be re-sterilized or reused. The Tethered Probe packaging <u>must</u> be opened in the sterile field.
- Discard the Tethered Probe after first use. The Tethered Probe is not reusable and is for single use only.
- Do not reuse the Tethered Probe on another patient under any circumstances.

DO NOT DROP THE TETHERED PROBE. IF THE DEVICE HAS BEEN DROPPED, DO NOT USE

• The Tethered Probe is fragile. Mechanical shock can result in irreparable damage. Care must be taken to avoid damage to the detector window during surgery. <u>If any damage to the Tethered Probe is noticed it should be disposed of and replaced with a new Tethered Probe</u>.

▲ SENSEI[®] SHOULD ONLY BE USED WITH ^{99M}T_C LABELED RADIOPHARMACEUTICALS OR A COBALT-57 SEALED RADIATION SOURCE. OTHER TYPES OF RADIOPHARMACEUTICALS INJECTED INTO THE PATIENT ARE <u>NOT</u> APPROVED TO BE USED WITH THE DEVICE

- SENSEI[®] is designed to detect <u>only</u> the ^{99m}Tc radionuclide that has been injected into the patient and the device should not be used to attempt to detect any other radionuclides or radioactive sources in the patient.
- SENSEI[®] will utilize ^{99m}Tc labelled radiopharmaceuticals and therefore local radiation safety standards must be adhered to.
- The use of multiple radiopharmaceuticals in a single surgical procedure could impede accurate detection with SENSEI[®] and should be avoided.
- SENSEI[®] can be used with a Cobalt-57 (⁵⁷Co) sealed radiation source to perform a probe check prior to clinical use. The sealed radiation source should be handled carefully and in accordance with local guidelines.

DO NOT USE SENSEI® WITH ANY OF THE FOLLOWING EQUIPMENT:

- **Defibrillator equipment:** SENSEI[®] is not compatible with defibrillator equipment and <u>the Tethered</u> <u>Probe must be removed from the patient before a defibrillator is used on the patient.</u>
- Electrocautery and other electrosurgical devices: SENSEI[®] should not be put in direct contact with electrocautery or other electrosurgical devices. <u>This may cause damage to the Tethered Probe</u> or unintentionally cauterize nearby tissue.



• Other electrical equipment: SENSEI[®] should not come into contact with other electrical equipment during use.



DO NOT OPEN THE TETHERED PROBE OR CONTROL UNIT

- The Tethered Probe and Control Unit are tested and sealed at the factory. Opening the Tethered Probe or Control Unit may result in damage and will void the warranty.
- Do not modify or attempt to change any parts of the Tethered Probe or Control Unit.
- SENSEI[®] contains no user-serviceable parts.



DO NOT PUT THE CONTROL UNIT IN AN AUTOCLAVE

- No component or part of the Control Unit can be autoclaved. Only use cleaning methods described in Section 13.1.
- The Control Unit and AC power cable are reusable and non-sterile. The Control Unit is to be installed outside the sterile field. <u>Please be advised that any sterile HCP should not come into contact with the Control Unit as this may result in the loss of their sterility.</u>

DO NOT USE OTHER MANUFACTURER'S PROBES WITH THE CONTROL UNIT. USE OF UNAUTHORIZED ACCESSORIES MAY VOID THE WARRANTY WITH THE USER ASSUMING ALL LIABILITIES

• Only use the SENSEI[®] Tethered Probe and Control Unit together.

AVOID CAUSING DAMAGE TO THE TETHER CABLE DURING USE. IF THE TETHER CABLE IS DAMAGED DO NOT USE THE TETHERED PROBE AND REPLACE IT WITH A NEW TETHERED PROBE

SENSEI[®] SHOULD NOT BE USED WITH FLAMMABLE ANESTHETICS

SENSEI® SHOULD NOT BE USED IN AN OXYGEN RICH ENVIRONMENT

USE OF THIS DEVICE IN THE VICINITY OF PERSONS UNDERGOING RADIATION THERAPY MAY CAUSE FALSE AND/OR INNACURATE READINGS

DO NOT INSERT THE TETHERED PROBE INTO A TROCAR USING A LAPAROSCOPIC GRASPER DURING LAPAROSCOPIC SURGERY. THE TETHERED PROBE SHOULD BE INSERTED INTO A TROCAR USING THE USERS HAND ONLY AND NOT BY USING ANY OTHER INSTRUMENT



DO NOT REMOVE THE TETHERED PROBE WITHOUT TAKING THE PROBE TO THE BASE OF THE TROCAR, OTHERWISE THIS WILL RISK CAUSING INTERNAL INJURY TO THE PATIENT

DO NOT REMOVE THE TETHERED PROBE FROM A TROCAR BY USING A LAPAROSCOPIC GRASPER DURING LAPAROSCOPIC SURGERY

5.2.CAUTION



Avoid causing damage to the tether cable during use. If the tether cable is damaged STOP using the Tethered Probe and replace it with a new Tethered Probe.



To avoid the risk of electric shock, this equipment must only be connected to a supply with a protective earth.

The Tethered Probe is connected to a 3m tether cable. Avoid entanglement of the tether cable as this could cause injury to the patient or user.



SENSEI[®] is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.

5.3.NOTES



SENSEI® should only be used by trained and qualified personnel.

HCPs, nuclear medicine physicians and surgeons must adhere to local clinical practices when conducting surgical operations and should use the SENSEI[®] device as per the instructions provided. The Instructions for Use are not designed to assist or to be used to reference surgical procedures or techniques.



No patient data is stored in the SENSEI® Tethered Probe or Control Unit.

6. DEFINITIONS

This section defines key terms and symbols used in the Instructions for Use (IFU).

| Key Terms/Symbol | Definition |
|---------------------|---|
| Applied Part | The part of a piece of medical equipment that in normal use necessarily comes into physical contact with the patient for the medical electrical equipment or a medical electrical system to perform its function. |



| Autoclave | A strong heated container used for chemical reactions sterilization and other processes using high pressures and temperatures. |
|--|---|
| | Specific information provided to the user to prevent the misuse of the device which may cause |
| Caution | it to malfunction or produce erroneous readings. |
| Cobalt-57 sealed radiation source | Specific radiation source required in order to conduct the SENSEI® probe check prior to clinical use. |
| Confidence Signal | This is a test mechanism that checks the entire signal chain during routine use. The result is an audible / visible confidence signal that the system is functioning normally. |
| Control Unit | Control Unit. |
| Count Rate | The number of valid scintillation events in a predefined time period. |
| CPS | Counts Per Second. |
| EMC | Electromagnetic Compatibility. |
| FWHM | Full Width at Half Maximum. |
| НСР | Healthcare Professionals. |
| IFU | Instructions for Use. |
| IP | Ingress Protection. |
| Probe check | A procedure performed prior to the clinical use of SENSEI® to check the device using a Cobalt- 57 sealed source. |
| SENSEI® | Laparoscopic tethered gamma probe system (Tethered Probe + Control Unit). |
| Tethered Probe | Laparoscopic tethered gamma probe. |
| VAC | Voltage Alternating Current. |
| Warning | Specific information provided to the user to advise of situations where the misuse or unlabeled use of the device could present a hazard and therefore potentially harm to the user or patient and/or could result in irreparable damage to the device or property. |



7. SYMBOLS

| Symbol | Definition | Symbol | Definition |
|-------------|--|---------------|---|
| | Manufacturer LIGHTPOINT MEDICAL LTD. MISBOURNE WORKS, WATERSIDE, CHESHAM, HP5 1PE UNITED KINGDOM | X | WEEE Symbol |
| ~~~ | Date of Manufacture YYYY-MM-DD | -15°C | Storage and Transit Temperature Example ranges between -15°C – 60°C |
| EC REP | Authorized Representative LIGHTPOINT MEDICAL B.V. JOOP GEESINKWEG 901-999 AMSTERDAM-DUIVENDRECHT 1114 AB, NETHERLANDS | 10%-20-100% | Storage and Transit Humidity Example ranges between 10% – 100% |
| \sum | Use By YYYY-MM-DD | × | Keep away from sunlight |
| SN | Serial Number 0123456789-1234 (Tethered Probe) LP06-01-YY-123456 (Control Unit) | ×× | Protect from heat and radioactive sources |
| REF | Model LP05-01 (Tethered Probe) LP06-01 (Control Unit) | Ť | Keep dry |
| QTY | Quantity of item(s) 1 or 10 | | Refer to instruction manual/booklet |
| (| Do not re-use The medical device is intended for one use or for use on a single patient during a single procedure. | ★ | Туре ВF |
| \triangle | Caution | \rightarrow | Video Output (DVI Connection to Additional display) |



| STERILE EO | Sterilized using ethylene oxide | IPN ₂ N ₀ | IP Rating IP68 (Tethered Probe) IP21 (Control Unit) |
|------------|----------------------------------|----------------------------------|---|
| | Protective earth (ground) | $\stackrel{\frown}{\rightarrow}$ | Equipotentiality |
| | Fuse Rating | | Fragile, handle with care |
| | Do not use if package is damaged | CE ₁₂₈₂ | CE Mark, Class IIa |



8. OPERATING INSTRUCTIONS

8.1.CONTROL UNIT EXTERNAL FEATURES



Figure 3 - Control Unit front panel



Figure 4 - Control Unit rear panel



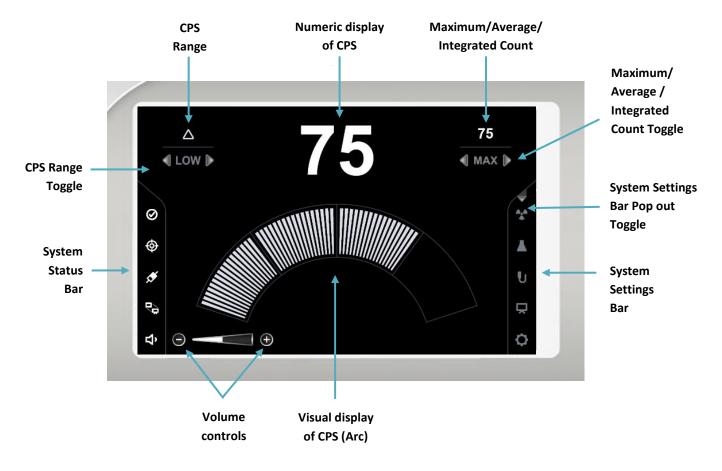


Figure 5 - Control Unit visual display



8.2.CONTROL UNIT TOUCHSCREEN INTERFACE

8.2.1.SYSTEM STATUS BAR SYMBOL MEANINGS

The system status bar shows the overall status of the SENSEI® system and components.



System status bar

| Status Symbol | Name of Symbol | Options | Symbol meaning | Action required |
|------------------|-----------------------|---------|---|---|
| | | | If pulsing: System ready and working correctly | No action required |
| \odot | System status | \odot | If still: System has frozen | Consult Troubleshooting (section 12) |
| | | | The system is not ready for use, proceed to conduct probe check | Conduct probe check. Consult Troubleshooting (section 12) |
| | Probe check status | ٢ | Probe not connected and probe check not completed | Connect SENSEI [®] Tethered Probe |
| | | | Probe check required, probe check fault | Conduct probe check. Consult section 9.3 |
| | | ۲ | Probe check completed | No action required |

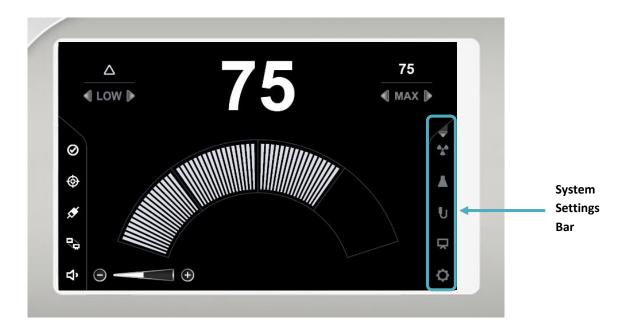


| | | 5 ⁴⁶ | No probe connected | Connect SENSEI [®] Tethered Probe |
|------------|--------------------|-----------------|--|--|
| 5°* | Probe status | ۶ | Probe connected | No action required |
| | | A | Probe connected, connection fault | Consult Troubleshooting (section 12) |
| | | ۵. | No additional display connected | Need to connect a DVI cable to engage with an additional display |
| | Additional display | | Additional display connected | DVI cable is connected to an additional display: Access the Additional display settings menu |
| | status | | Additional display projected onto the connected additional display | No action required |
| | | | Additional display connected, connection fault | Consult Troubleshooting (section 12) |
| | | Ъ | Volume, low | No action required |
| | | り | Volume, medium | No action required |
| -1. | Values | 圢 » | Volume, high | No action required |
| 口 》 | Volume | よき | Volume, max | No action required |
| | | ⋠ | Volume, muted | No action required |
| | | L)» | Audio fault | Consult Troubleshooting (section 12) |



8.2.2.SYSTEM SETTINGS BAR SYMBOL MEANINGS

The system settings bar provides access to set-up tasks, connection to an additional display and other settings.



System settings bar

| Setting Symbol | Name of Symbol | Options | Symbol meaning | Action required |
|-------------------|--------------------------|---|---|--------------------|
| System settings | Q | System settings bar is minimized, probe check is required | Press button to expand system settings bar to conduct probe check | |
| Ô | bar minimized | 40 | System settings bar is minimized, probe check is completed | No action required |
| | Radiation type selection | A . A | Radiation type menu closed | No action required |
| | | A.A | Radiation type menu open | No action required |



| | Radionuclide selection | | Radionuclide menu closed | No action required |
|-----------------|-----------------------------|-----------------------------------|--|---|
| | | | Radionuclide menu open | No action required |
| | | U | Probe check required | A probe check needs to be conducted. See Section 9.3 Conduct probe check |
| U | Probe settings | U | Probe check complete | No action required |
| | | U | Probe settings menu closed | No action required |
| | Additional display settings | \square | Additional display settings screen is closed | No action required |
| | | $\mathbf{\nabla}$ | Additional display settings screen is open | No action required |
| System settings | ¢ | System settings menu not selected | No action required | |
| | ¢ | System settings menu is open | No action required | |

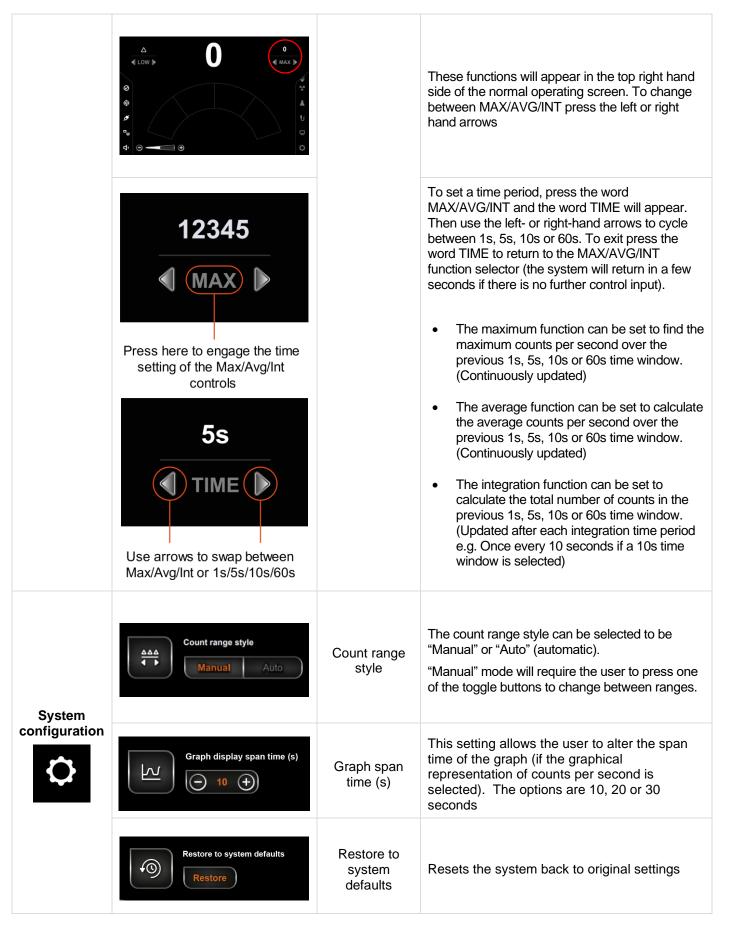


8.2.3. SYSTEM SETTINGS MENU

System settings

| Additional Setting | Options | Name of Symbol | Meaning |
|-----------------------|--------------------------|---------------------------------|---|
| | Arc Display | Arc Display (Default) | The front screen will show an arc representation of the count rate |
| | Graph Display | Graph Display | The front screen will show a graphical representation of the count rate |
| Visual | Dual Display | Both Arc and Graph Display | The front screen will show both an arc and a graphical representation of the count rate |
| display choices | Range selection | Range Selection (Default) | The range selection option can be either selected (with a tick) or not selected (no tick). If the option is selected, the user will be able to change the range between LOW, MED, HIGH or MAX. If the option is not selected, then the user will not be able to change the range |
| | | | The range selector will appear in the top left hand corner of the normal operating screen. To change between LOW, MED, HIGH or MAX press the left or right hand arrows |
| | Max / Avg / Int 12345 | MAX/AVG /INT (Default) | The Maximum/Average/Integration option can be either selected (with a tick) or not selected (no tick). If this option is selected, the user will be able to change the auxiliary indication between Maximum, Average or Integration. If the option is not selected, then the user will not be able to change the auxiliary indication |







| | System alive sound | System alive sound | Enables or disables the low tone audio confidence signal |
|-----------------------|--------------------|----------------------|--|
| Screen Adjustments | Screen brightness | Screen brightness | Allows the user to alter the screen brightness for best visibility |
| ¢ | Screen contrast | Screen contrast | Allows the user to alter the screen contrast for best visibility |



9. <u>SETTING UP THE SENSEI[®] SYSTEM</u>

9.1.GATHER ALL COMPONENTS

| # | Image | Step | Additional Information |
|-------|-------|--|---|
| 9.1.1 | | Retrieve the SENSEI [®] Control Unit from storage. | The Control Unit can be carried using the handle if desired. |
| 9.1.2 | | Place the SENSEI [®] Control Unit safely on a flat surface, where it can be seen by the intended users e.g. in a laparoscopic stack or on an instrument cart. | The Control Unit can be angled by positioning the handle underneath the case. |
| 9.1.3 | | Retrieve the SENSEI [®] Tethered Probe from storage. | It is advised to take a spare SENSEI [®] Tethered Probe into the operating room when possible. DO NOT OPEN the Tethered Probe packaging until in the sterile field. |



9.2.CONTROL UNIT SET-UP

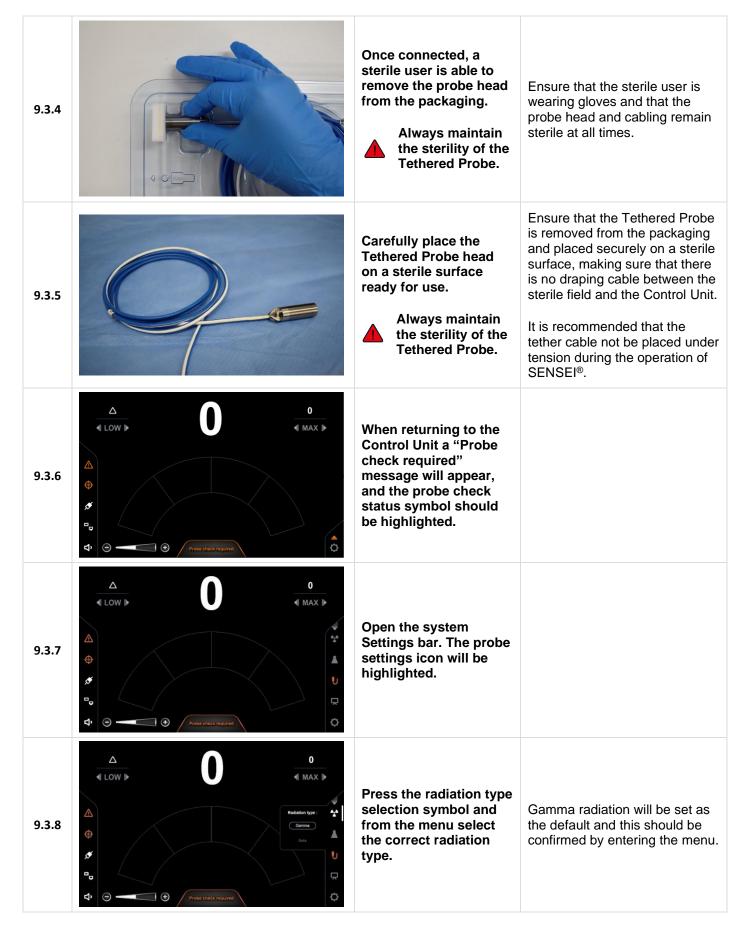
| # | Image | Step | Additional Information |
|-------|-------|---|---|
| 9.2.1 | | Connect the power cord to the socket on the back of the Control Unit. | Ensure the isolator switch above the socket is in the 'off' position. Ensure the power lead is pushed all the way into the socket before continuing. Note: Prior to use, inspect the power cable to ensure there is no damage to the cable. If there is any damage DO NOT USE and contact Lightpoint Medical Ltd. Ensure the power power cable does not cause a trip hazard. |
| 9.2.2 | | If fitted with a switch, with it in the "off" position, plug the power cord into an AC power socket. Once connected, turn on the AC power. | Ensure that the plug is compatible with the AC power socket. If fitted with a switch, ensure that the power socket is turned off before plugging the power cord in. |
| 9.2.3 | | Switch the isolator switch on the back of the Control Unit to the "on" ("1") position. | |
| 9.2.4 | | Push the operate button on the front of the Control Unit. | A green light on the button will appear and the touchscreen on the device light up during normal operation. If the operate button is flashing red, consult Troubleshooting (section 12). |

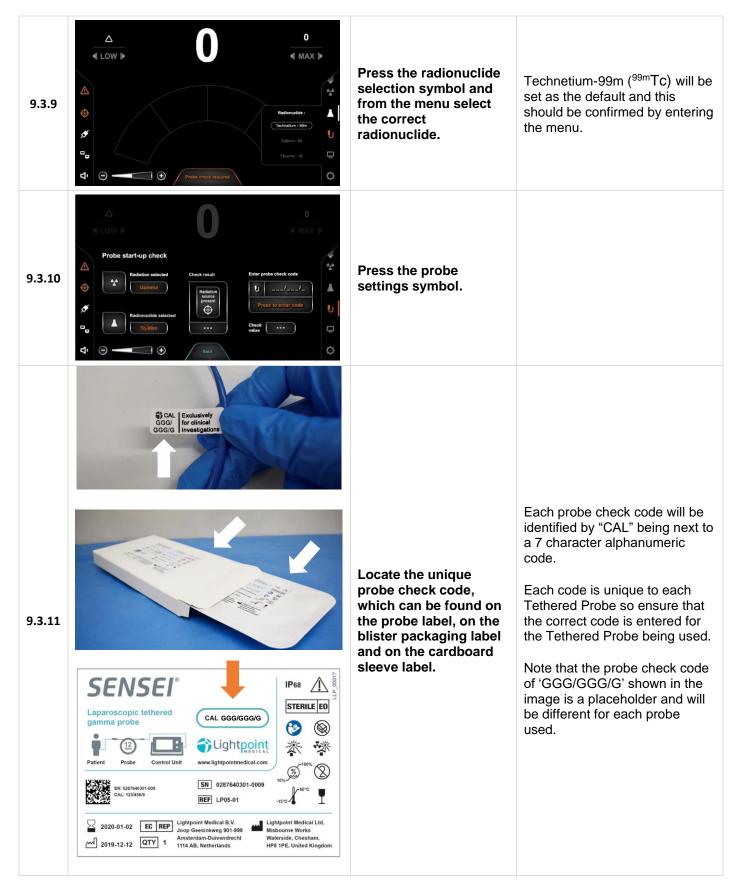
| 9.2.5 | Second | The system will run through a series of set up checks as the device starts up. The status following the set up checks will be displayed. | In the event the system runs into a system error the device is not suitable for use and should be powered down, see the Shutdown procedure (section |
|-------|---|--|---|
| 9.2.6 | | In the event the system does not pass all start up checks, the screen will display a warning message and instructions. | 11). If the start-up screen displays a warning message, consult Troubleshooting (section 12). |
| 9.2.7 | △ ↓ 0 ↓ ↓ ↓ ↓ ⊕ ↓ ⊕ ↓ ⊕ ↓ ⊕ ↓ ⊕ ↓ ⊕ ↓ ⊕ ↓ ⊕ ↓ ⊕ ↓ Probe disconnected | The SENSEI [®] Control Unit should enter the normal working screen as shown. | |



9.3.CONDUCT PROBE CHECK

| # | Image | Step | Additional Information |
|-------|----------|--|--|
| 9.3.1 | | Remove the SENSEI [®] Tethered Probe from the cardboard sleeve. | The paper leaflet contains a quick start guide. |
| 9.3.2 | | Whilst holding the plastic portion of the SENSEI® Tethered Probe blister pack, pull back on the Tyvek tab. Always maintain the sterility of the Tethered Probe. | It is recommended that users wear gloves when unpacking the Tethered Probe. It is recommended that the user opening the Tethered Probe blister pack holds the packaging with the patient symbol facing the sterile user retrieving the Tethered Probe. |
| 9.3.3 | <image/> | Remove the tether connector from the packaging and push it into the socket on the front of the Control Unit. Once connected a "Probe connected" message will be displayed on the touchscreen of the Control Unit. Always maintain the sterility of the Tethered Probe. | Ensure that the tether connector is aligned with the connector on the Control Unit and push it into the socket until it locks. Inspect the Tethered Probe prior to use. Do not use if there are any visible signs of damage. If there is any damage, replace the Tethered Probe. Please return the damaged Tethered Probe to Lightpoint Medical Ltd. |







| 9.3.12 | Enter probe check code | | Characters can be deleted using the 'back' arrow button. Ensure that the Tethered Probe check code matches the code exactly as displayed on the label or on the packaging. If the code is entered incorrectly a "Code rejected" message will be displayed. To re-enter the correct code, press the text "Code rejected" and the keyboard will reappear. |
|--------|---|--|--|
| 9.3.13 | | Retrieve a Cobalt-57 radiation source from storage, following local radiation safety guidelines. Wrap the sealed source with a sterile plastic sheet. Always maintain the sterility of the Tethered Probe. | The sealed radiation source should be handled carefully and in accordance with local guidelines. Refer to the local radiation safety/protection officer for guidance. Ensure that the radiation source is covered and remains sterile before allowing it into the sterile field. |
| 9.3.14 | Check result Enter probe check code Cobalt-57 source present Ready Check value | Position the probe head above the middle of the sealed source. When ready press the "Radiation source present" button on the Control Unit. | |
| 9.3.15 | Check result Enter probe check code | Keep the probe head as still as possible whilst the Control Unit checks the probe. This will take a few seconds. | |

| 9.3.16 | Check result | Enter probe check code | Once successfully completed, the Control Unit will display a "Passed" message. The SENSEI [®] system is now ready for use. | Note that the check value of '1000' shown in the image is a placeholder and may be different each time a probe check is conducted. |
|--------|--------------|------------------------|---|--|
| 9.3.17 | | 0 | Upon exiting the settings menu, a "Check complete" message will be displayed and a "Confidence signal" audio signal will be presented. | The confidence signal is a low intermittent tone. This will sound every 5 seconds to indicate the system is fully operational. |
| 9.3.18 | Check result | Enter probe check code | If completed unsuccessfully, the Control Unit will display a red "Failed" message. The device is not ready for use and the check value displayed is orange and not white. | Consult Troubleshooting (section 12). |



9.4.CONNECT TO AN ADDITIONAL DISPLAY

| # | Image | | Step | Additional Information |
|-------|-----------------------------|--|--|---|
| 9.4.1 | | | To connect to an additional display, connect a DVI cable to the rear of the Control Unit. | Ensure that the other end of the DVI connector is connected to a suitable additional display. Consult the manufacturer's Instructions for Use. |
| 9.4.2 | Additional display settings | 0 MAX > Graph disply Craph disply Craph disply Craph disply Craph disply | Open the System Settings bar and select the Additional display settings icon to open the Additional display settings menu. You must conduct this step to connect to an additional display. | |
| 9.4.3 | Additional display | <u>NO</u> DVI cable is connected DVI cable connected Additional display has been engaged | To turn on an additional display, press the screen icon next to the title "Additional display" (image 2). This will change to a connected screen symbol and the words "Monitor 1" should be seen in the box on the right (image 3). You must press this button to connect to an additional display. | To switch off the additional display, press the connected screen icon (image 3). This will change to the not connected screen symbol (image 2). |
| 9.4.4 | Arc Display | Graph Display | To select the presentation style to send to the additional display, select either Arc, Dual or Graph by pressing the appropriate icon. | The selected screen icon will change from an empty screen symbol to a screen with a tick. |

Please refer to the individual manufacturer's Instructions for Use. For example, when using the Intuitive Surgical, da Vinci Surgical System, the TilePro™ must also be turned on to see this screen.

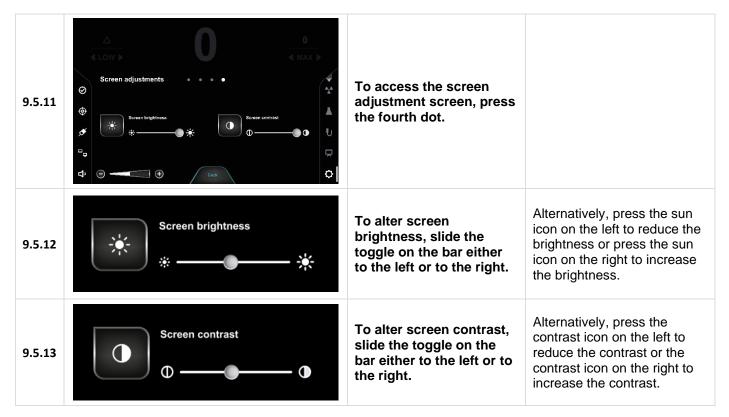


9.5.CONFIGURE ADDITIONAL SETTINGS

| # | Image | Step | Additional Information |
|-------|---|---|---|
| 9.5.1 | Image selection Max Image selection Image selection | To alter system settings, open the System Settings bar and press the System settings icon. The first page shows the visual display choices for the Control Unit. | To navigate between setting screens, press the small dots in the middle of the screen. |
| 9.5.2 | Graph Display | In the visual display choices screen, the top row of buttons configures the Control Unit visual count rate presentation to show either an Arc, a Graph or Dual displays. | To select an alternative display press on the icon to select the preferred display type. The default is the Arc display. |
| 9.5.3 | Range selection Axy / Avg / Int 12345 | In the visual display choices screen, the bottom row of buttons configures accessory toggles to show the range and the MAX/AVG/INT selectors. | To select the accessory toggles to be displayed on the main screen press the icon next to the accessory toggle. Each choice is explained in section 8.2.3. The default is that both the range and MAX/AVG/INT selectors are displayed. |
| 9.5.4 | ▲ 0 ★ 0 ★ 0 System configurations ★ ● ↓ ● ↓ ● ↓ ● ↓ ● ● | To access the system configurations screen, press the second dot. | |
| 9.5.5 | Count range style Manual Auto | To alter whether the count range change is set to "Manual" or "Auto" mode, press on the word "Manual" or "Auto" to select the desired option. | "Manual" mode will require the user to press one of the toggle buttons to change between ranges. "Manual" mode will be set as a default and this should be confirmed by entering the menu. [Only the "Manual" mode option is currently available. The "Auto" mode change option will be grayed out] |

| 9.5.6 | Graph display span time (s) | To alter the count rate graph span time to display 10, 20 or 30 seconds of data, select the desired value. | To switch between 10, 20 or 30 seconds, use the plus and minus buttons either side of the number. The default is 10 seconds. |
|--------|---|--|--|
| 9.5.7 | Restore to system defaults Restore | To restore the system to default settings, press the "Restore" button. | Be aware that this will reset all of the changes that have been made during the setup of the Control Unit <u>including</u> <u>resetting the probe check</u> <u>code.</u> |
| 9.5.8 | System alive sound くり Enabled | To disable the system alive sound press the button so that it states "Disabled". | |
| 9.5.9 | Image: System tests Image: System tests | To access the system test screen, press the third dot. | |
| 9.5.10 | Run system function test | To run the system function tests, press the "Run system function test" button. | The Control Unit test results will either be 'Successful' or 'Unsuccessful'. The Probe connection test results will either be 'Connected' or 'Not connected'. The Probe status test results will either be 'Successful' or 'Unsuccessful'. For troubleshooting, consult Troubleshooting (section 12). |







10.SCANNING USING THE SENSEI® SYSTEM

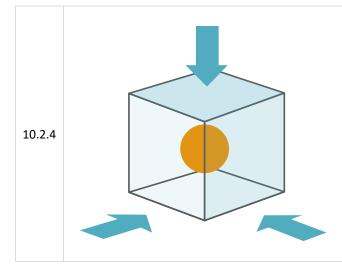
10.1.INSERTING THE TETHERED PROBE INTO A PATIENT

| # | Image | Step | Additional Information |
|--------|--|---|---|
| 10.1.1 | | To insert the Tethered Probe through a trocar, place the probe head into the opening of the trocar and gently push through the trocar, using the tether cable. Do not insert the Tethered Probe using a laparoscopic grasper. | If the device is used with a valved trocar, slightly more pressure may need to be applied, to push the probe head through the valve. Be careful not to cause any injury to the patient through excessive force. Minimize any additional force when inserting the Tethered Probe. See section 14 for a list of compatible trocars that can be used with SENSEI®. |
| 10.1.2 | A Contraction of the second se | When inserting the Tethered Probe, maintain vision of the inner end of the port using the laparoscopic camera. | This will ensure that the user can see the Tethered Probe at all times and observe its orientation before grasping onto the device. |
| 10.1.3 | | To insert the Tethered Probe through an open cavity incision, place the Tethered Probe directly into the body cavity using a gloved hand or an approved instrument. | Grip onto the Tethered Probe outside of the patient before inserting it into the cavity. Ensure that the user can see the Tethered Probe at all times. |



10.2.SCANNING A PATIENT USING THE TETHERED PROBE – ROBOTIC ASSISTED LAPAROSCOPIC SURGERY

| # | Image | Step | Additional Information |
|--------|--|---|---|
| | Before scanning with the device, ensure that the position where it will not get tangled with the pat | | at the tether is placed in a |
| 10.2.1 | | Once inserted into the patient, grasp onto the Tethered Probe in one of the shown orientations using one of the approved instruments in section 14. | Avoid gripping onto the tether at all times. Do not use any surgical tools to grip onto the tether. |
| 10.2.2 | | To interchange between grips, use the side pockets on the probe head. | Avoid gripping onto the tether at all times. Do not use any surgical tools to grip onto the tether. |
| 10.2.3 | | Point the probe at the tissue to be scanned and move carefully and slowly along the area of interest. The numeric count rate will show the counts per second being captured by the probe. | Make sure the probe detector window is in contact with the tissue and the probe detector window is perpendicular to the tissue. |
| | ▲ 75 ▲ 75 ▲ MAX ► ● ● | The graphical representation of the count rate will show the same information. | Be aware of potential background sources when scanning (e.g. the bladder or injection site). |
| | | The audio signal will get faster as the count rate increases. | |



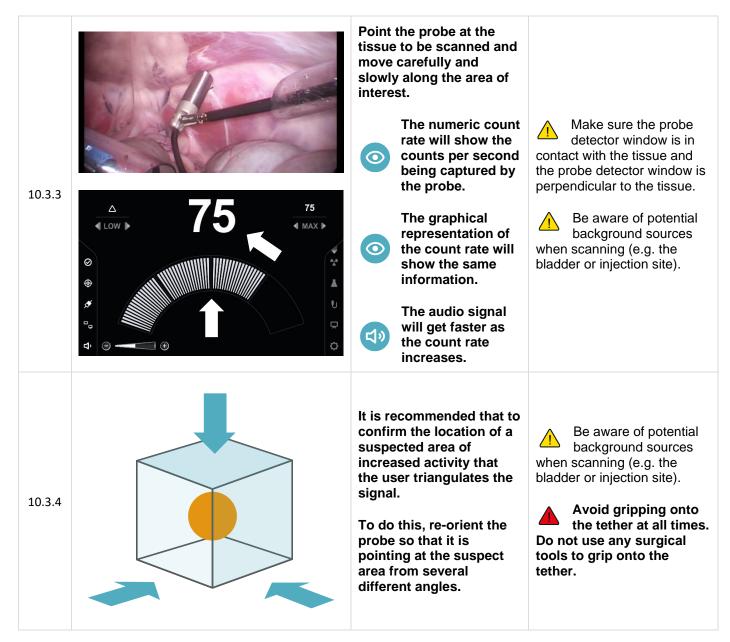
It is recommended that to confirm the location of a suspected area of increased activity that the user triangulates the signal.

To do this, re-orient the probe so that it is pointing at the suspect area from several different angles. Be aware of potential background sources when scanning (e.g. the bladder or injection site).

Avoid gripping onto the tether at all times. Do not use any surgical tools to grip onto the tether.

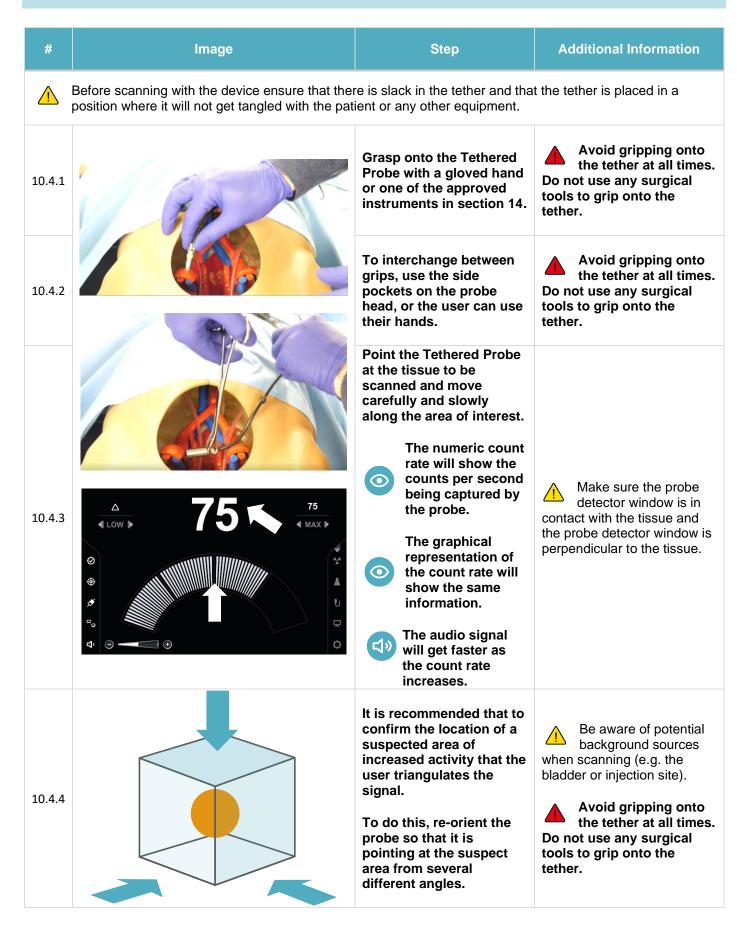
10.3.SCANNING A PATIENT USING THE TETHERED PROBE – LAPAROSCOPIC SURGERY

| # | Image | Step | Additional Information | | | |
|--------|---|---|---|--|--|--|
| | Before scanning with the device ensure that there is slack in the tether and that the tether is placed in a position where it will not get tangled with the patient or any other equipment. | | | | | |
| 10.3.1 | | Once inserted into the patient, grasp onto the Tethered Probe in one of the shown orientations using one of the approved instruments in section 14. | Avoid gripping onto the tether at all times. Do not use any surgical tools to grip onto the tether. | | | |
| 10.3.2 | | To interchange between grips, use the side pockets on the probe head. | Avoid gripping onto the tether at all times. Do not use any surgical tools to grip onto the tether. | | | |





10.4.SCANNING A PATIENT USING THE TETHERED PROBE – OPEN SURGERY





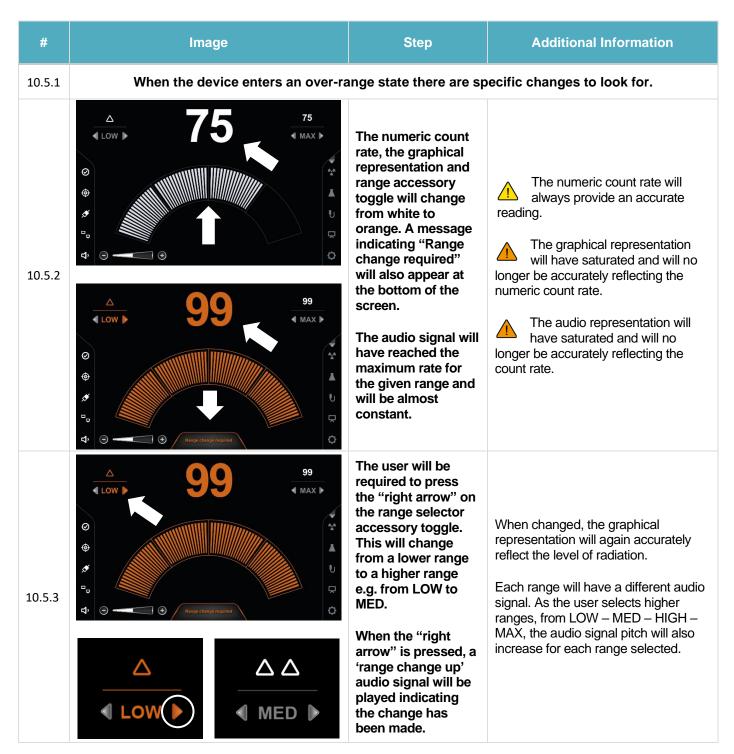
10.5.CHANGING RANGE – "MANUAL" MODE

Please note that this explanation is given for the "Manual" range change mode. The "Auto" range change mode will not require a user to manually change between ranges.

[Only the "Manual" mode option is currently available. The "Auto" mode change option will be grayed out]

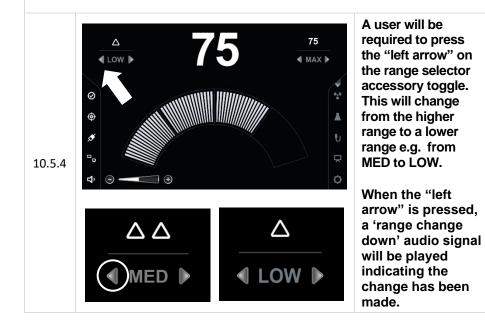


It is very important to understand that just because the device enters an over-range state, that this does not indicate a "hot" area. It only indicates that the system should be changed to the next range. The device will remain in an over-range state until corrected by the user.





1 The device will not notify the user that the system should be moved to operate in a lower range.



Each range will have a different audio signal. As the user selects lower ranges, from MAX – HIGH – MED – LOW, the audio signal pitch will also decrease for each range selected.



10.6.REMOVING THE TETHERED PROBE FROM THE PATIENT – LAPAROSOPIC SURGERY (INCLUDING ROBOTIC ASSISTED LAPAROSCOPIC SURGERY)

Always ensure the user has sight of the Tethered Probe. Do not attempt to remove the Tethered Probe without vision as this may risk causing injury to the patient.

| # | Image | Step | Additional Information |
|--------|--|---|---|
| 10.6.1 | | For the Tethered Probe to be removed during laparoscopic surgery, take the probe to the trocar and disengaged all instruments from all grip sites on the probe head. Pull back gently on the tether so that the device begins to move towards the trocar. | This must be conducted using laparoscopic camera guidance. Do not remove the Tethered Probe without taking the probe to the trocar, otherwise this will risk causing internal injury to the patient. Do not remove the Tethered Probe by using a laparoscopic grasper. |
| | A state of the sta | Once the Tethered Probe reaches the trocar, carefully ensure that the Tethered Probe does not get caught on the lip of the trocar. | If the Tethered Probe gets caught on the trocar, twist the tether so that the whole grip feature is within the trocar. It may be necessary to release tension on the tether slightly and then re-approach the trocar. Avoid gripping onto the tether at all times. Do not use any surgical tools to grip onto the tether. |
| 10.6.3 | | When the Tethered Probe is inside the trocar pull back gently until reaching the trocar exit. | If the device is used with a valved trocar, slightly more pressure may need to be applied, to remove the probe head through the valve. |
| 10.6.4 | Once removed from the trocar, the Tethered disposed of. | d Probe may then be | See section 16 for disposal information. |



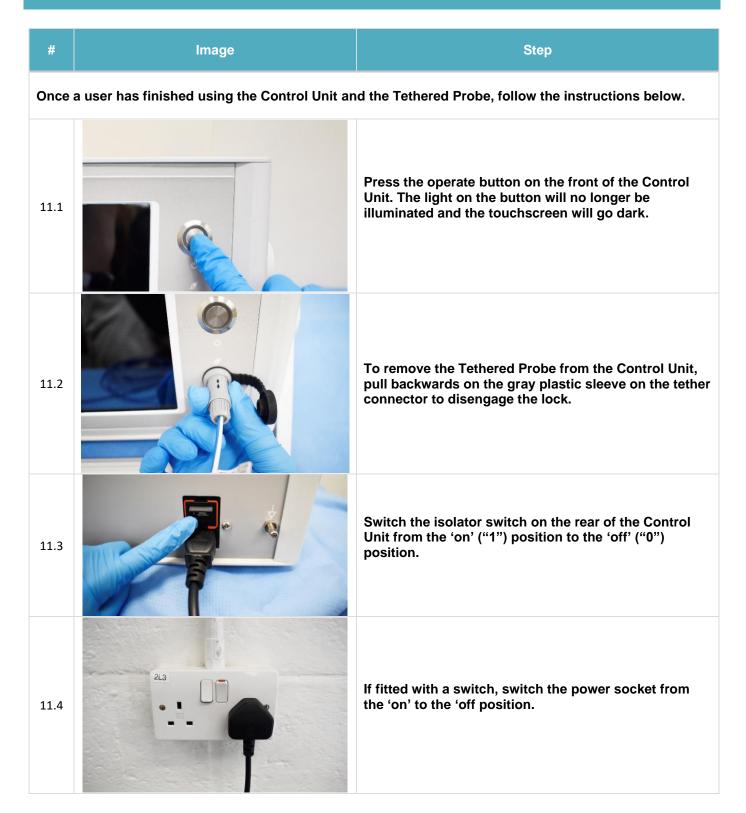
10.7. REMOVING THE TETHERED PROBE FROM THE PATIENT – OPEN SURGERY

Always ensure that the user has sight of the Tethered Probe. Do not attempt to remove the Tethered Probe without vision as this may risk causing injury to the patient.

| # | Image | Step | Additional Information |
|--------|---|---|---|
| 10.7.1 | | For the Tethered Probe to be removed during open surgery it is encouraged to keep any approved instruments attached to the Tethered Probe to help removal. | If the Tethered Probe is dropped or becomes detached from an instrument, gently pull on the tether to retrieve the Tethered Probe. If any resistance is detected, stop pulling on the tether and check for any obstruction. |
| 10.7.2 | | Gently remove the Tethered Probe from the open cavity with the instrument attached. If using gloved hands to hold the Tethered Probe, maintain a grip on the Tethered Probe and remove it from the open cavity. | Ensure that the Tethered Probe it is not caught on tissue or other internal structures. Avoid gripping onto the tether at all times. Do not use any surgical tools to grip onto the tether. |
| 10.7.3 | Once retrieved from the open cavity, the Te be disposed of. | thered Probe may then | See section 16 for disposal information. |



11.SHUTDOWN PROCEDURE





12.TROUBLESHOOTING

| | Problem | Image | Possible Causes | Actions |
|----|--|-------------|--|---|
| 1. | The system status icon is not pulsing. What does this mean? | Ø | The system has frozen. | Please proceed to restart the device by following the shutdown procedure in section 11, followed by starting the device up as shown in section 9.2. If this problem persists, please contact Lightpoint Medical Ltd. or the supplier. |
| 2. | The probe check status shows. What does this mean? | | This symbol means that a probe check is required or there is a fault in the probe check. | If a probe check has not been conducted, please follow the instructions in section 9.3. If a probe check has been conducted, then confirm that the correct probe check code has been entered. If a probe check code has been entered correctly, but the system still displays a fault, please replace the faulty Tethered Probe with a new probe. Please return the faulty Tethered Probe to Lightpoint Medical Ltd. |
| 3. | The probe status shows. What does this mean? | * | This symbol means there is a probe connected but there is a fault in the connection. | If a Tethered Probe has been connected, but the system still displays a fault, please replace the faulty Tethered Probe with a new probe. Please return the faulty Tethered Probe to Lightpoint Medical Ltd. |
| 4. | The additional display status shows. What does this mean? | | This symbol means that there is no additional display connected or there is a fault in the connection. | Check that the DVI cable is connected at the rear of the Control Unit and that the DVI cable is connected to the additional display. If the error persists, replace the DVI cable. If no additional display is required, disable the additional display output. See section 9.4.3. If the problem persists, contact Lightpoint Medical Ltd. or the supplier. |
| 5. | The volume control shows. What does this mean? | L)» | This symbol means that there is a fault in the audio system. | Contact Lightpoint Medical Ltd. or the supplier. |



| 6. | In the radiation type selection menu, the symbol is orange. What does this mean? | | If the symbol is orange, this means that the radiation type is not selected. | Please select a radiation type. |
|----|--|----------|---|---|
| 7. | In the radionuclide selection menu, the symbol is orange. What does this mean? | | If the symbol is orange, this means that a radionuclide is not selected. | Please select a radionuclide. |
| 8. | In the probe settings menu, the symbol shows. What does this mean? | U | This means that a probe check has not been completed successfully. | Please refer to section 9.3 to carry out a probe check. |
| 9. | The operate button on the front panel of the Control Unit, is flashing red. What does this mean? | O | This means there is a system fault. | Remove the Tethered Probe and switch off the isolator switch on the rear of the Control Unit. Restart the system following the steps in section 9.2 with the Tethered Probe connected. If the problem persists repeat the above without first connecting the Tethered Probe. If the problem persists, contact Lightpoint Medical Ltd. or the supplier. |

| 10. What is the problem? | Where can I find the probe check code? |
|--------------------------|--|
| Location: | |
| | This is on the Tethered Probe label (located on the cable near the connector end) and it is also on the blister packaging label and the cardboard sleeve label, that the blister pack was supplied in. |
| 11. What is the problem? | During the set up of the Control Unit, the system does not pass the start-up check and displays a warning. |



| The screen shows: | Seense State State | |
|------------------------------------|--|--|
| What is the cause? | This means there is a system fault. | |
| What is the best course of action? | Remove the Tethered Probe and switch off the isolator switch on the rear of the Control Unit. Restart the system following the steps in section 9.2 with a Tethered Probe connected. If the problem persists, repeat the above without first connecting the Tethered Probe. If the problem persists, contact Lightpoint Medical Ltd. or the supplier. | |

| 13. What is the problem? | The Probe check has failed. | | |
|------------------------------------|--|--|--|
| The screen shows: | Check result Enter probe check code | | |
| What is the cause? | This means there is a system fault. | | |
| What is the best course of action? | If a probe check has not been conducted, please follow instruction in Section 9.3. If a probe check has been conducted, then confirm that the correct probe check code has been entered. If the probe check code has been entered correctly, but the system still displays a fault, please replace the faulty Tethered Probe with a new probe. Please return the faulty Tethered Probe to Lightpoint Medical Ltd. | | |



13.MAINTENANCE

This section discusses procedures for the maintenance of SENSEI®.



DO NOT OPEN THE TETHERED PROBE OR CONTROL UNIT.

• The Tethered Probe and Control Unit are tested and sealed at the factory. Opening the Tethered Probe or Control Unit may result in damage and will void the warranty.

Maintenance is limited to:

- External cleaning
- Fuse replacement
- Conducting functional diagnostics

13.1.CLEANING PROCEDURES

This section discusses the cleaning procedures for the **Control Unit only**.

The Tethered Probe is a single use device, therefore should be disposed of as clinical radioactive waste.

DISCONNECT THE AC POWER SUPPLY FROM THE CONTROL UNIT BEFORE CLEANING.



THE CONTROL UNIT SHOULD <u>NOT</u> BE STERILIZED.

The Control Unit and power cord may be wiped down using hospital cleaning agents (e.g. Clinell wipes or Sprint H 200 solution) and can be cleaned using standard hospital cleaning procedures before and after use.

Care should be taken to ensure that the touchscreen on the Control Unit does not become contaminated with any bodily fluids. If the touchscreen does come into contact with bodily fluids, ensure the whole system is cleaned.

13.2.SYSTEM DIAGNOSTICS

The SENSEI[®] system contains a number of diagnostic mechanisms, some of which run when the unit is first started and others that run in the background during normal use.

There is a power on self-test system that operates during the start-up sequence, which checks that the hardware and software are all performing within specified limits. This test can be performed on just the Control Unit or on a Control Unit and Tethered Probe, where the Tethered Probe is also checked. This test provides a simple pass / fail output.



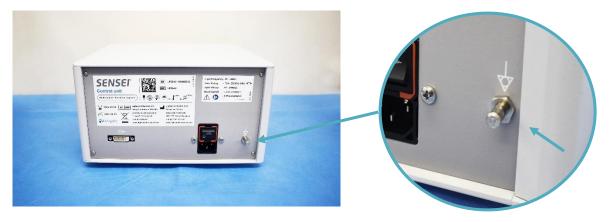
There is an option whereby a user can instigate a manual test of the system using the built-in test equipment. As with the power on self-test system, this checks that the hardware and software are all performing within specified limits. This test can be undertaken on just the Control Unit or on a Control Unit and Tethered Probe. This manual test provides a user with more detailed diagnostic information. See section 9.5.9 and 9.5.10.

There is also a process that runs continuously during normal use, which checks the system is functioning normally. This test checks and confirms that the entire signal chain from the sensor in the Tethered Probe to the output to the user is fully operational. The user is continually kept informed as to the health of the system, by way of a visual and audible confidence signal.

13.3.HOW TO USE THE GROUNDING CONNECTION ON THE CONTROL UNIT

The equipotential ground bond point mounted on the rear of the Control Unit may be used when there is a requirement for the Control Unit to be held at the same electrical potential as other bonded metal objects in the operating room.

The equipotential ground bond point can be identified by the equipotential bonding symbol.



The bond point should be connected using a suitable socket.



13.4.REPLACEMENT OF FUSES

The below provides information regarding changing the AC power line fuses. See section 3.3 for further information.

The fuses are mounted in a holder inside the power socket at the rear of the Control Unit.

| # | Step | Image |
|--------|--|---------------|
| 13.4.1 | Switch the isolator switch located at the rear of the Control Unit from the 'on' ("1") position to the 'off' ("0") position and remove the power cord. Ensure the Control Unit is not connected to the AC power supply. | |
| 13.4.2 | To remove the fuse holder unit, use a simple tool to eject the carriage from the assembly at the points shown in the image. | ntmedical.com |
| 13.4.3 | Slide the fuse holder out of the assembly, as shown in the image. | |
| 13.4.4 | Replace the fuse(s) with the spare(s) provided in the rear of the fuse carriage. Only use the specified fuse type. | |
| 13.4.5 | Slide the fuse holder back into the assembly until it is securely located. | |



14.RECOMMENDED COMPATIBLE EQUIPMENT

The SENSEI[®] Tethered Probe and Control Unit have been designed to work optimally with specific devices, platforms and instruments that may be commonly found in robotic-assisted laparoscopic, laparoscopic and open surgery:

| SENSEI [®] Tethered Probe – Recommended compatible equipment | | | | |
|---|--|---|--|--|
| | Tissue Grasper(s) /Johan Grasper(s) | Recommended robotic instrument(s): • Intuitive Surgical da Vinci EndoWrist® ProGrasp® Recommended laparoscopy instrument(s): • Laparosurge Johan LG006-T/ LG007-T • Ethicon ENDOPATH® Babcock 5BB Recommended open instrument(s): • Aesculap® Allis Tissue Forceps | | |
| | Needle Holder(s) | Recommended robotic instrument(s): Intuitive Surgical da Vinci EndoWrist[®] Large Needle Drivers Recommended laparoscopy instrument(s): The SENSEI[®] Tethered Probe is designed to work with standard needle holders. Take care when using with an instrument that has not been tested Recommended open instrument(s): Aesculap[®] Halsted/Nissen Forceps Aesculap[®] Overholt Forceps | | |
| | Trocar(s) | Recommended trocar(s): Surgiquest/ConMed AirSeal[®] Ethicon ENDOPATH[®] Xcel[®] Covidien/Medtronic VersaOne[™] Surgical equipment, such as trocars, should be placed in accordance with standard laparoscopic techniques giving specific regard to the anatomy of the patient to assure Tethered Probe access to the target locations. | | |



| SENSEI [®] Control Unit – Recommended compatible equipme | ent |
|---|-----|
|---|-----|



Recommended robotic platform(s):

- Intuitive Surgical da Vinci Surgeon Console Si
- Intuitive Surgical da Vinci Surgeon Console X
- Intuitive Surgical da Vinci Surgeon Console Xi

Additional display

Recommended laparoscopy platform(s):

 The SENSEI[®] system is designed to include a connection for an additional display via a DVI connection. Take care when connecting to an additional display that has not been tested.

15.STORAGE AND HANDLING

| Condition | Temperature | Humidity (%RH) |
|-----------------|-------------|--------------------------|
| Non-operational | -15-60°C | 10-100% (non-condensing) |

16.DISPOSAL OF SENSEI®

The user shall not dispose of any part of the medical system as unsorted municipal waste.



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The Tethered Probe is a single use device and the responsible organization (Hospital) is required to dispose it in radioactive clinical waste.

The Control Unit may be sent to the Lightpoint BV in Amsterdam (address below) for disposal.



Lightpoint Medical B.V. Joop Geesinkweg 901-999, Amsterdam-Duivendrecht, 1114 AB, Netherlands www.lightpointmedical.com

The Blister packaging of the Tethered Probe is made out of plastic and cannot be reused and must be disposed of in standard waste.

All cardboard packaging is recyclable and can be disposed of as recycleable waste.



17.<u>CUSTOMER FEEDBACK AND REPORTING OF COMPLAINTS</u> <u>OR ADVERSE EVENTS</u>

The following contact information may be used for customer feedback including the reporting of complaints or adverse events.



Lightpoint Medical Ltd. Misbourne Works Waterside Chesham United Kingdom HP5 1PE



+44 (0) 1494 917 697



feedback@lightpointmedical.com

Input from our customers helps us improve our products and services. Your opinions are important to us. If you have comments about the product or user documentation, please write to us at the email address above. We would like to hear from you.

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The embedded software in the SENSEI control unit contains a Board Support Package and a real-time operating system.