





QUICK REFERENCE GUIDE

Using the Capnostream™ 35 portable respiratory monitor with the crash cart

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Overview

Monitor Preparation

Using Capnostream™ 35 Portable Respiratory Monitor

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OVERVIEW

The Capnostream™ 35 portable respiratory monitor combines Microstream™ capnography and Nellcor™ pulse oximetry technologies to deliver continuous monitoring of etCO₂, SpO₂, pulse rate, and respiration rate for intubated and non-intubated patients, neonate to adult.



MONITOR PREPARATION

FOR USE WITH THE CRASH CART

1. Mount the monitor on the cart

- The back of the monitor is designed to fit a 75mm VESA™ standard mounting plate. You can mount the monitor on the cart using the VESA™ mounting plate and a Manfrotto™ clamp (purchased separately; contact your local Medtronic representative or visit www.capnostream35.com).
- Place the monitor in a position where the controls are easily reached, and the screen may be viewed clearly.

2. Ensure the battery is fully charged and a fully charged spare battery is available.

- If your hospital permits, keep the monitor plugged into wall power when not in use. Remove from wall power when in use with a patient for maximum flexibility and transportability. When the monitor is unplugged, it automatically switches to the removable battery pack for power.
- The removable battery will charge when in the device and plugged into wall power, or when docked in the external charger.
- The removable battery powers the monitor for approximately three hours. The monitor also includes an internal battery which can supply power for 20 minutes. This is important when switching the battery. Depending on frequency of use, consider stocking one or more fully charged batteries.

3. Turn on the monitor – EMS mode

- Press the power button to turn on the monitor. By default, the monitor is set for EMS mode enable. EMS mode enable will take you directly to the home screen, enabling quick access to parameter information.
- Please note that while in EMS enabled mode, existing data will automatically be cleared when you turn the monitor on and admit a new patient through the actions menu>patient admit. Therefore, it is important to download patient data at the end of each case before preparing the monitor for the next patient.

MONITOR PREPARATION

FOR USE WITH THE CRASH CART

4. Order and stock CO₂ sampling lines for use with the crash cart.

- The Microstream™ capnography sampling line portfolio offers a variety of options for intubated and non intubated patients, from neonate to adult.
- Visit <http://www.medtronic.com/covidien/products/capnography/filterline-etco2-sampling-lines> or contact your local representative to view the full array of sampling line options for use with the crash cart.

5. Connect the selected CO₂ sampling line to the monitor before attaching it to the patient. Be sure to follow Microstream™ capnography sampling line Directions for Use.

- Slide open the sampling line input connector shutter and connect the appropriate sampling line.
- Screw the sampling line connector into the monitor clockwise until it can no longer be turned.

6. Choose and connect the Nellcor™ pulse oximetry sensor to the monitor

When the Nellcor™ pulse oximetry sensor is plugged into the extension cable and connected to the monitor, the monitor will immediately begin to search for a pulse.

7. Choose the patient type: Menu>Patient Type. Select patient type from the drop-down list and press Enter. Navigate to selected patient type, and then press Enter again.

8. Home screen display

- The default home screen includes CO₂ and SpO₂ waveforms. However, there are nine different screen display options to choose from.
- Use the left and right directional arrows to toggle through available options (the default includes three different displays).
- Please refer to the Capnostream™ 35 portable respiratory monitor Operator's Manual for all nine home screen options and instructions to change the default home screen.

MONITOR PREPARATION

FOR USE WITH THE CRASH CART

9. Opening a patient case with patient ID and patient data

You can open a patient case and identify the patient in the monitor.

Go to Menu>Actions>Patient Admit and input the patient information. Then press Start Case.

When a case is complete, navigate to this same window and press the Stop Case button.

Please note: if you want to store a case report and download to USB or MicroSD card, please remember to download the case report **before you press Stop Case** (refer to page 6 of this document or consult the Capnostream™ 35 portable respiratory monitor Operator's Manual for more information).

10. Begin patient monitoring

Once the CO₂ sampling line and/or the SpO₂ sensor are connected to the monitor and any patient set-up has been completed, the monitor is ready for operation.





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1. Reports

- To view a report, select Menu>Report>View Report. Select the desired report and then press Enter.
- You can view, store and download various reports, including Alarm Review and Parameter Statistics reports.
- Ventilation and desaturation reports, which display ventilation and oxygenation levels, can also be stored.
- Parameter Statistics, ventilation, and desaturation reports are available only if a patient case has been initiated.

2. Data transfer for viewing and analysis

- The monitor can export stored and current data to external devices. Data may be transferred to a USB flash memory device or micro SD card and transferred to a computer. The data can then be printed using an external printer.
- To download, insert a USB device or a micro SD card into the monitor, and select Menu>Report>Store Report. Select the desired report from the menu, then Choose Device>Save Report.
- Once you select Save Report, please wait for the pop up window confirming the report has been exported to the USB device or micro SD card. This process may take up to 80 seconds.
- Ensure that your USB flash drive has more than 100kb of memory, or data transfer will not be allowed.
- For further information please refer to the Capnostream™ 35 portable respiratory monitor Operator's Manual.



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3. Real-time Full Continuous Transfer report

The Real-time Full Continuous Transfer report may be initiated while using the monitor with the crash cart. To utilize this report:

- Insert USB flash memory device or micro SD card into the monitor.
- Start the patient case first by clicking the following buttons: Menu>Actions>Patient Admit>Start Case. Refer to page 5, number 8 or consult the Capnostream™ 35 portable respiratory monitor Operator's Manual.
- Press the Menu button and go to Report>Store Report>Realtime Full Continuous Transfer and press Enter.
- Select Choose Device on left side of screen and then select USB or Micro SD Card. Then press Enter, select Save Report and press Enter again.
- To stop storing a report, press the Active Reports button then navigate to and select the report that you want to stop. Navigate to and select the Stop button. The report will stop downloading.

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SAMPLING LINE OPTIONS FOR THE CRASH CART

▪ Intubated Patients, Short-term Use

- XS04620 - FilterLine™ Set sampling line adult/pediatric (6.5'/200cm)
- 007768 - FilterLine™ Set sampling line adult/pediatric long length (13'/400cm)

▪ Intubated Patients, Long-term Use

- 007738 - FilterLine™ H Set sampling line infant/neonate long length (13'/400cm)



FilterLine™ Set
XS04620 / 007768



FilterLine™ H Set
007738

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