

Ohmeda 3900P Pulse Oximeter with Printer

Purpose:

To provide for a 24 hour trend and printout of continuous pulse oximetry monitoring.

Description:

The Ohmeda 3900P pulse oximeter is similar in function and operation to other pulse oximeter monitors. Additional features include trending and printing of up to 24 hours of data. The 3900P monitors SpO2 as well as a new feature, relative perfusion index (PIr), which indicates oximetry signal strength and provides a relative indication of site perfusion.

Indications:

The 3900P oximeter can be used in any situation where continuous pulse oximetry monitoring is needed. Its printing capabilities lend it to be useful when there is a need to document a trend of oximetry.

Equipment:

1. Ohmeda 3900P oximeter
2. Printer paper
3. Appropriate oximeter probe

Personnel:

Respiratory Therapy Technicians I and II and Respiratory Therapists I and II.

Procedure:

General

1. Follow all general procedures for continuous pulse oximetry as outlined in General Pulse Oximetry policy.

Setup

1. Check date and time for accuracy as this will reflect on printed trends.
2. Access menu screen with "screen display options" button.
3. Press button corresponding to "date".
4. Check and set current time and date.
5. Return to graphic display screen with the "screen display options" button.
6. *Clear previous data* so previous patient data does not print on current trend.
7. Press the SpO2 trend button.
8. Press "clear", then "clear both", then "yes" to clear previous data.

Viewing trended data

1. On the SpO2 screen a heavy dashed line indicates power to the monitor was turned off.
2. The cursor is a dotted line in the middle of the screen. It can be moved to the left or right with the corresponding buttons.

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3. The value for the data at the cursor appears beside the top of the cursor.
4. The time and date corresponding to the cursor position appear beside the bottom of the cursor.
5. The time scale can be changed from 12 minutes to 24 hours with the corresponding button in the bottom right corner.

Printing

1. Make sure the mode for the data you want printed (SpO2) is selected. From the menu screen press "settings", then the "<>" button, and set "SpO2" for "mode".
2. Then select 30 sec for "output". This will print the lowest data point during each 30 sec period when a trend is printed.
3. Return to SpO2 trend screen.
4. To print press the SpO2 trend print button on the printer (3rd button from left).
5. Select "all" to print all recorded hours (up to 24 hours) or select the preferred hours.
6. Press "print" to print the selected trend.
7. May press "STATS only" to print only a summary of statistics for the selected time frame.

References:

1. Ohmeda 3900P Operator's Manual

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