



For use by or on the order of a licensed physician.



Attention, see operation manual for additional instructions for use.

BCI[®] SPECTRO₂ | 30 Simplified Operation Guide

Pulse Oximetry Monitoring

1. Insert the sensor cable connector into the port located on top of the device.
2. Press the *On/Off* key (Ⓟ) to turn the oximeter on.
3. Place the sensor on the monitoring site.
4. SpO₂, pulse rate, pulse strength and Pulse amplitude Index (PI) bar will be displayed.

Pulse Volume

1. From monitoring mode, use Up/Down arrow keys (^ ▼) to raise or lower pulse beep volume.
2. Continue to press the Down key to silence the pulse tone completely.

Silencing Alarms

1. Audible alarms can be silenced for two (2) minutes.
2. To silence the alarm tone, briefly press the Alarm Silence key (Ⓢ).
3. The Alarm Silence indicator will light solid for the first minute and 45 seconds, then flash the last 15 seconds.
4. To cancel the 2-minute silence, briefly press the Alarm Silence key (Ⓢ).

NOTE: The Alarm Silence key will not affect visual alarm indicators or pulse tone.

Changing the Alarm Limits

1. To change the alarm limits, press the *Menu* key (Ⓜ) until the desired parameter's alarm limit is displayed.
2. Press the up or down key (^ ▼) to increase or decrease the setting.
3. Press the *Menu* key (Ⓜ) to advance to the next alarm limit.
4. To exit, press the *Exit* key (■) or wait 20 seconds until the patient reading is displayed.

Entering Setup Menu

1. Power oximeter on by pressing the *On/Off* key (Ⓟ) located on the device's upper right side.
2. When the patient number (Example: **P1**) is displayed, press and hold the *Exit* key (■) and then press the *Menu* key (Ⓜ).
3. The Averaging Menu will be the first option. **AVG** will be displayed. Release the *Exit* key (■).

Setting Averaging

1. While **AVG** is being displayed, use the up and down keys (^ ▼) to select the desired SpO₂ averaging (1-4).
2. Press the *Menu* key (⬅) to advance to the next menu.
3. To exit menus, press the *Exit* key (➡) or wait 20 seconds and menu will be exited automatically.

Setting Sensitivity

1. Advance from previous menu or see *Entering Setup Menu*. **HS** (for High Sensitivity) will be displayed.
2. Using the up and down keys (^ ▼), turn the High Sensitivity setting on or off.

Display Brightness

1. Advance from previous menu or see *Entering Setup Menu*. The display will show **db**.
2. Using the up and down keys (^ ▼), select the desired brightness, ranging from 1-10. The default setting is 10 (brightest).

Setting the Date

1. Advance from previous menu or see *Entering Setup Menu*. To skip initial menus, if setting only date, press *Menu* key (⬅) three (3) times until **dt 1** (Date Setting 1) is displayed.
2. Use the up and down keys (^ ▼) to select the year. Range is 00 (2000) to 99 (2099).
3. Press the *Menu* key (⬅) to advance to the Month Menu. The display will show **dt 2** (Date Setting 2).
4. Use the up and down keys (^ ▼) to select the month. Range is 01 (January) to 12 (December).
5. Press the *Menu* key (⬅) to advance to the Day Menu. The display will show **dt 3** (Date Setting 3).
6. Use the up and down keys (^ ▼) to select the day. Range is from 01 to 31.

Setting the Time

1. Advance from previous menu. (To skip initial menus, if setting only date, press *Menu* key (⬅) six (6) times).
2. The display will show **t 1**. Use the up and down keys (^ ▼) to select the hour. Range is 00 (Midnight) to 23 (11PM).
3. Press the *Menu* key (⬅) to advance to Minute Menu. The display will show **t 2**. Range is 0-59.
4. Press *Exit* key (➡) to exit Setup Menus.

Restoring Alarm Default Settings

1. Enter Setup Menu by pressing and holding the *Exit* key (➡) and then pressing the *Menu* key (⬅).
2. Press the *Menu* key (⬅) eight (8) times. The display will show **Ad** (for Alarm Defaults).
3. Use the up and down keys (^ ▼) to select **Yes** or **no**. "Yes" will restore the default alarm limits.

Device Operating Modes

There are three (3) operational modes: Clinician (**CLn**), Home (**H**) and Sleep (**SLP**).

Operating Modes

1. To enter the mode menu, press and hold the *Menu* key (⏏) at power up as the monitor goes through its initialization sequence. **CLn** (Clinician Mode) will appear.
2. To change the device's operating mode, use the up and down keys to toggle between Clinician Mode (**CLn**), Home Mode (**H**) and Sleep Mode (**SLP**).

Trend Interval

1. To change the Trend Interval, the time interval at which real time data is sent to the device's memory, enter the Operating Mode menu as explained above.
2. When **CLn** appears on the display, press the *Menu* key (⏏) again. **SEC** will appear.
3. Use the up and down keys (⤴ ⤵) to change the trend interval (2-30 seconds).
4. To exit, use *Exit* key (⏏) or wait 20 seconds.

Language

To change language, refer to WW1924 Operator's Manual, Section 5.

Remote Alarm

1. To activate or deactivate the Remote Alarm function, enter the *Operating Modes* menu.
2. Press and hold the *Menu* key (⏏), then advance three more times. The display will show **rA**.
3. Use the up and down keys (⤴ ⤵) to select **On** or **Off**.
4. To exit use the *Exit* key (⏏) or press the *Menu* key (⏏) until the software version number appears. The oximeter will then initialize normally.

Factory Defaults

1. To restore factory default settings, enter the Operating Modes menu.
2. Press the *Menu* key (⏏) four more times. The display will show **Fd**.
3. Use the up and down keys (⤴ ⤵) to select **Yes**, which restore the factory default settings.

Clearing Trend Memory

1. To clear the oximeter's memory, turn the unit off.
2. Press and hold the *On/Off* button (⏻) until **CLr** appears and stops flashing.
3. If the *On/Off* button (⏻) is released before **CLr** stops flashing, memory will not be cleared.

Changing the Batteries or Battery Pack

1. To install or replace batteries, first turn the unit off, then depress the battery compartment door at center of back of oximeter (Horizontally scored tab) and slide door off towards bottom of oximeter.
2. If using "AA" (LR6) batteries, place the negative end of battery first, compressing the negative terminal spring and gently push the positive end until it contacts the positive tab.
3. If using the rechargeable lithium-ion battery pack (WW1090), align the battery pack so that its metal connectors line up with the corresponding connectors in the battery compartment. Push battery pack into place.
4. Replace battery door by sliding it back into place until the latch clicks.


Attaching the Sensor Cradle

The WW1030 comes with three sensor cradles for storing and protecting the sensor when not in use. The cradles and their packaging are number coded for the particular sensor they hold:

- 1— fits BCI® pediatric size sensors
- 2— fits the BCI® Comfort Clip® sensor
- 3— fits BCI® adult size sensors

Insert the appropriate sensor cradle into the recess in the upper right backside of the oximeter, curved end down and numbered side out. Push lightly until cradle snaps into place. After monitoring, insert the sensor into the cradle, cabled end upward.

 **Attention, see operation manual for warnings, cautions, notes and additional instructions for use.**

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