

# Brain Function Monitoring

A more complete picture starts with more complete data

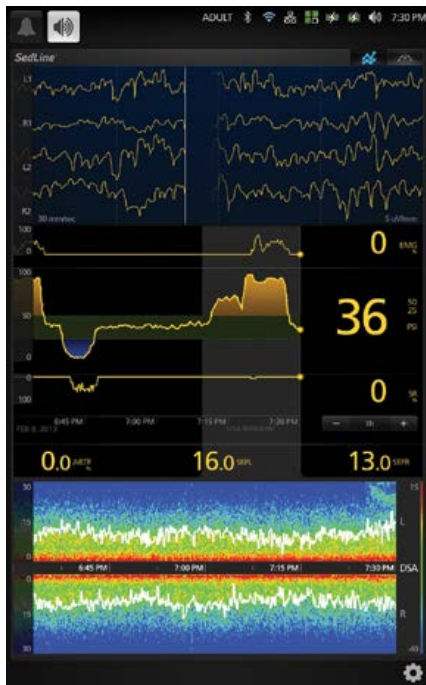


SedLine® brain function monitoring for the Root™ patient monitoring platform helps clinicians improve anesthetic management by enabling more individualized titration

- > 4 simultaneous EEG channels enable continuous assessment of both sides of the brain
- > A single sophisticated algorithm for Patient State Index (PSI™) provides information about a patient's response to anesthesia
- > Superior resistance to electrocautery minimizes signal drop out<sup>1</sup>
- > Multiple screen views expand information while enabling customization in the OR and ICU



# MONITOR DISPLAY



Real-time display of 4 simultaneous channels of EEG data

Patient State Index (PSI) provides a continuous numeric value to help clinicians assess depth of sedation/anesthesia<sup>1</sup>

Density Spectral Array (DSA) represents EEG power and provides easy-to-interpret, high-resolution of bi-hemispheric activity including asymmetry



Customizable trend and analog views allow for adaptability across the continuum of care

The SedLine sensor is designed for ease in application and enhanced patient comfort while ensuring the highest quality data.

- > 4 active leads collect higher volume of data in key areas of frontal lobe
- > Streamlined design for quick and easy application with no plastic disk to press



The SedLine module easily plugs into the Root patient monitoring platform via Masimo Open Connect™ (MOC-9™) ports

## MODULE SPECIFICATIONS

### PHYSICAL CHARACTERISTICS

|                |        |
|----------------|--------|
| Width.....     | 2 in   |
| Length.....    | .4 in  |
| Thickness..... | 3/4 in |

### ENVIRONMENTAL

|   |                                      |                            |
|---|--------------------------------------|----------------------------|
| <b>Module Operating Conditions</b>            | Temperature at Ambient Humidity..... | .5°C to 40°C               |
| <b>Module Storage and Shipping Conditions</b> | Temperature at Ambient Humidity..... | -40°C to 70°C              |
|   | Storage Humidity.....                | 15% to 95%, non-condensing |
|   | Exposure to Pressure.....            | 500 to 1060 mbar           |

## SENSOR SPECIFICATIONS

|                          |                     |                       |   |
|--------------------------|---------------------|-----------------------|---|
| Active Electrodes.....   | L1, L2, R1, and R2  | Biocompatibility..... | Noncytotoxic, nonsensitizing, and not a primary skin irritant |
| Ground Electrode.....    | CB                  | Latex Content.....    | Does not contain natural rubber latex                         |
| Reference Electrode..... | CT                  | Sterility Level.....  | Clean   |
| Duration of Use.....     | Maximum of 24 hours |                       |   |

**Caution: Federal law restricts this device to sale by or on the order of a physician.**

<sup>1</sup> White PF, et al. Is the Patient State Analyzer\* with the PS Array a cost-effective alternative to the Bispectral Index Monitor during the perioperative period. *Anesth Analg.* 2004;99:1429-1435. Available online at <http://www.anesthesia-analgesia.org/cgi/content/full/99/5/1429>.

\*This study compared SedLine's predecessor, the PSA 4000, to BIS XP. SedLine utilizes the same amplifier technology as the PSA 4000, and internal tests show that SedLine has even greater resistance to interference than the PSA 4000.

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