

# ANESTHESIA. PERSONALIZED.

Bispectral Index™ (BIS™) monitoring system product guide

## Personalize anesthetic dosing. For better patient comfort — and to reduce complications.<sup>1,2</sup>

BIS™ brain function monitoring:

- Can help you reduce anesthesia use by up to 50%<sup>3</sup>
- Streamlines patient emergence time and discharge from the PACU<sup>4</sup>
- Indicates hypnotic effect through the easy-to-read BIS™ index
- Facilitates improved patient outcomes.<sup>1,2,5</sup>

## INSIGHTS FROM RELIABLE DATA

Reliable data based on objective, quantified science. We know how important it is.

BIS™ monitors use innovative technology to link patient-specific EEG information to individual clinical states.

Here's how it works:

1. Sensors collect the raw EEG data that indicates brain activity in real time.
2. The system uses its clinically validated algorithm to filter, analyze, and correlate the data.
3. Results are continually calculated and displayed as the BIS™ index (a number between 0 and 100), indicating the patient's response to anesthetic agents.

You may improve clinical outcomes by customizing individual dosing to keep the BIS™ monitor value within the target range during all phases of anesthesia.<sup>1,4-10</sup>



### 2-channel monitor

This monitor:

- Includes a user-configurable display
- Is a versatile platform designed for future expandability

**Part number 186-0210**

5 year warranty

### BIS™ LoC 2 channel with patient interface cable (PIC+)

**Product ID: 186-0195-AMS**

**PIC+ only: 186-0107**



### 4-channel monitor

The same proven BIS™ anesthetic depth monitoring, with enhanced bihemispheric capabilities.

Combine it with our bilateral sensors to detect hemispheric differences in the brain. It features:

- Asymmetry indicator (ASYM)
- Ability to trend BIS™-Left and BIS™-Right values Density spectral array (DSA)

**Part number 186-1014**

5 year warranty

### BIS™ LoC 4 channel with patient interface cable (PIC-4)

**Product ID: 186-0224-AMS**

**PIC-4 only: 186-1018-AMS**

## IMPROVE PERFORMANCE

High-quality sensors that are easy to apply, with positioning instructions printed right on them. They adhere well to skin and are comfortable for your patient. Limited for short term use (maximum of 24 hours).

### BIS™ quatro 4-electrode sensor

Measures brain activity in adult patients undergoing general anesthesia or sedation.

**Part number 186-0106, box of 25**



### BIS™ pediatric sensor\*

Measures brain activity in pediatric patients.

**Part number 186-0200, box of 25**

\*Ages four and up recommended.

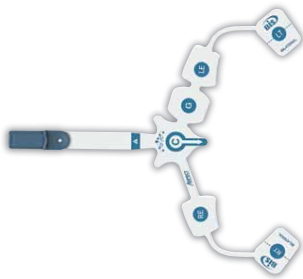


### BIS™ bilateral sensor\*\*

Lets you detect hemispheric differences in the brain, which may be useful for advanced monitoring applications.

**Part number 186-0212, box of 10**

\*\*Not compatible with BIS™ 2-channel systems. BIS™ LOC 4-channel cables required.



### BIS™ extend sensor (extended use)

Measures brain activity in adult patients who require longer periods of monitoring, including those in the ICU.

**Part number 186-0160, box of 25**



Talk to your Medtronic representative to order BIS™ monitors and sensors, or visit [medtronic.com/covidien](http://medtronic.com/covidien)

#### References

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7. Myles PS, Leslie K, McNeil J, et al. Bispectral index monitoring to prevent awareness during anaesthesia: the B-Aware randomized controlled trial. *Lancet*. 2004;363:1757-1763.
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