The Bispectral Index™ (BIS™) monitoring system can give you meaningful information to help individualize and optimize anesthetic dosage — for the best possible outcome.

Studies show that BIS™ technology-guided anesthesia:

**REDUCES:**
- Anesthesia use by as much as 38 percent\(^1\)\(^-\)\(^7\)
- Awareness with recall by 64 percent\(^8\)\(^,\)\(^9\)
- Incidence of postop complications\(^3\),\(^10\),\(^11\)
- Costs\(^3\),\(^12\)\(^-\)\(^17\)

**LESS INCIDENCE OF:**
- Postop delirium in elderly and at-risk patients\(^3\),\(^6\),\(^7\),\(^10\),\(^11\),\(^15\),\(^17\)\(^-\)\(^19\)

**IMPROVES:**
- Patient satisfaction\(^2\)\(^0\)
- Patient outcomes\(^2\),\(^14\),\(^20\)
- Patient quality of life\(^5\),\(^7\)

**FASTER:**
- Wake ups\(^1\),\(^2\)
- Recovery time\(^2\),\(^7\),\(^12\)
- Discharges from PACU\(^5\)

**INSIGHTS FROM RELIABLE DATA**

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

BIS™ system 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 value (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.\(^2\),\(^5\),\(^8\),\(^9\),\(^20\)\(^-\)\(^23\)
2-channel monitor
The BIS™ monitoring system with 3.50 software — a full featured, anesthetic depth monitoring solution. Features:
- Density Spectral Array (DSA) with visual display of EEG bands
- Spectral Edge Frequency (SEF)
- Median Frequency (MF)\(1–34–6,10,12\)
- Suppression Time (ST)
- Suppression Ratio (SR)

Part number 186-0210

4-channel monitor
The same proven BIS™ monitoring system with 3.50 software also with enhanced bihemispheric capabilities. Combine it with our bilateral sensors to detect hemispheric differences in the brain. It has the same features as the 2-channel monitor, but also includes:
- Asymmetry indicator (ASYM)
- Ability to display from the left and right side of the brain
- Burst Count

Part number 186-1014

BIS™ LoC 2 channel with patient interface cable (PIC+)
Product ID: 186-0195-AMS
PIC+ only: 186-0107

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 to 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

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**BIS™ pediatric sensor**
Measures brain activity in pediatric patients.

Part number 186-0200, box of 25

* Ages four and up recommended.

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**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.

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**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

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Talk to your Medtronic representative to order BIS™ monitors and sensors.


