Medtronic BIS Complete 2-Channel Bispectral Index Monitor

SOMA TECHNOLOGY, INC.™
New, Demo & Refurbished Medical Equipment

The **Medtronic BIS Complete Monitoring System** is designed to monitor the hypnotic state of the brain based on acquisition and processing of EEG signals. The BIS complete system process raw EEG signals to produce a single number, called the Bispectral Index, or BIS, which correlates with the patient's level of hypnosis.

Features

- Enhances the clinician's patient-targeted approach to induction, maintenance and emergence.
- Noninvasively measures and interprets brain wave activity.
- Translates raw EEG data into the easy-to-read BIS index.
- Provides user-configurable display.
- Versatile platform designed for future expandability.

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Specifications

Dimensions	**Height:** 8” (20.31 cm) **Width:** 7.5” (19 cm) **Depth:** 5” (12.7 cm) **Weight:** 3.5 lbs (1.6 kg)
Display	**Height:** 4” (10 cm) **Width:** 5.25” (13 cm)
Digital Output	USB Ports, A, B, RS232, serial port
Battery Backup	45 minutes at full operation **Recharge Time:** 6 hours
EEG	**Epoch Duration:** 2 seconds **Artifact Rejection:** Automatic **Input Amplifier Range:** ± 1 mV **EEG Scales** One channel display: 25 µV/div (± 50 µV full scale) Two channel display: 50 µV/div (± 50 µV per waveform**)** **EEG Sweep Speed:** 25 mm/sec **Computed Parameters:** Bispectral Index, Suppression Ratio, EMG, Signal Quality Indicator, and Burst Count **User-defined Displays:** Trend and real-time EEG waveforms **Update Rate:** 1 second for BIS number, 10 seconds for Trend **Alarms:** Auditory and visual, user adjustable limits **Filters:** ON (2–70 Hz with notch) or OFF (0.25–100 Hz) **Mode:** Sensor automatically selects mode

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