Aspect A-2000 XP
BIS Monitor

The **Aspect A-2000 XP** is a bispectral index monitoring system, where it can monitor the state of the patient's brain during procedures. The Aspect a-2000 XP BIS can be used in intensive care units and in the operating room. The system accrues data from the brain using EEG signals and a Digital Signal Converter (DSC) together with the Bispectral Index number to determine the level of sedation the patient is under. The DSC offers two channels of EEG in both the A-2000 and in the A-2000 XP versions.

Features

- Reduce the sedation drug use
- 35%-55% fast wake-ups and extubations
- Improve the quality of post anesthesia recovery
- Reduce recovery time
- Can enhance the performance during cardiac or other other deep anesthetic procedures

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Specifications

Monitor Dimensions	Height: 7 in (17.5 cm) Width: 6.8 in (16.9 cm) Depth: 4 in (10 cm) Weight: 3.1 lbs (1.4 kg)
Digital Signal Converter Dimensions	Height: 1 in (2.5 cm) Width: 2.6 in (6.6cm) Depth: 4.25 in (10.8 cm) Weight: 10.0 oz oz (0.284 kg) including integral cable
Power	Power requirments: 100-240 VAC, 50-60 Hz, 1 ampere max Battery Backup: 20 minutes at full operation
EEG Specifications	Epoch Duration: 2 seconds Artifact Rejection: Automatic EEG Scales: 25 µV/div (+/- 1 mV Full Scale) EEG Sweep Speeds: 25 mm/sec Computed Parameters: Bispectral Index, 95% Spectral Edge Frequency, Suppression Ratio, EMG and Signal Quality Index User-defined Displays: TREND, DSA and real-time EEG waveforms Update Rate: 1 second for BIS Index, 10 seconds for Trend/DSA Event Markers: User selected Alarms: Auditory and visual, user adjustable limits Filters: ON (2 – 70 Hz with notch) or OFF (.25 – 100 Hz) Note: Filter setting does not effect computed parameters Mode: Sensor automatically selects mode
Digital Signal Converter Specifications	Analog to Digital Converter: Noise-shaped sigma-delta Sampling Rate: 16,384 samples/second Resolution: 16 Bits at 256 samples/second Input Impedance: 50 Mohms minimum Noise: < 0.3 mV RMS (2.0 mV peak-to-peak); 0.25 Hz to 50 Hz Common Mode Rejection: 110 dB at 60 Hz to earth (Isolation mode) ground Bandwidth: 0.16 – 800 Hz

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