

Mennen Medical™

BIS™ Integra



An integrated solution you can count on

The Mennen Medical BISx™ Module provides depth of consciousness and sedation monitoring for use in the OR and Recovery. BIS information is displayed on the Envoy and VitaLogik multiparameter monitor providing:

- Integrated patient information to facilitate clinical decision making
- Integrated data management for efficient and complete record keeping
- A space saving solution – no need for standalone equipment or multiple modules
- A cost-effective solution – all Envoy and VitaLogik monitors are BIS Ready™. Simply move your BISx Module from one monitor to the next as needed
- A convenient solution – attach the BISx Module to an IV pole or other suitable location using the integrated clip

Partnering to improve patient outcomes

BIS monitoring is most widely used in the OR to:

- Reduce anesthetic drug use
- Help clinicians reduce the risk of awareness in adult patients during general anesthesia and sedation ^{1,2}
- Reduce length of stay in the PACU (recovery room)

In the ICU, BIS monitoring has been shown to reduce recall of unpleasant experiences and provide objective sedation assessment during:

- Mechanical ventilation
- Neuromuscular blockade
- Barbiturate coma
- Bedside procedures

How BIS works

The **BIS** is a direct measure of the effects of anesthetic and sedative agents on the brain.

Using a sensor placed on the patient's forehead, BIS monitoring translates brain electrical activity into a single number between 100 (wide awake) and zero (absence of brain electrical activity) that represents the patient's level of consciousness.

This enables clinicians to customize the precise type and amount of anesthetic or sedative medication that each patient needs.

be backed by



THE SECURITY OF KNOWING MORE

1. Myles PS, Leslie K. Bispectral Index Monitoring to Prevent Awareness during General Anaesthesia: The B-Aware Randomised Controlled Trial. *The Lancet*. 2004; 363: 1757-63.

2. Ekman A, Lindholm ML, Lennmarken C, Sandin R. Reduction in the Incidence of Awareness Using BIS Monitoring. *Acta Anaesthesiologica Scandinavica*. 2004; 48(1): 20-6.

Sustained, reliable BIS measurement in the OR, ICU and other clinical settings.

- Resistant to artifact from electrocautery devices
- Detects and filters interference from EMG and other artifact conditions commonly found during:
 - MAC cases with sedation
 - Limited analgesia or neuromuscular blockade
- Dependable performance during cardiac and other deep anesthetics
- Family of sensors available: the BIS Quatro Sensor; BIS SRS, and BIS Pediatric Sensor



Mennen Medical's VitaLogik 4000 Monitor



BISx MODULE SPECIFICATIONS

SYSTEM COMPATIBILITY*
Envoy™ Modular Monitor
VitaLogik® 5000/5500 Configured Monitors
VitaLogik® 4000/4500 Series Monitors
DISPLAY
Parameters: BIS, SQI, EMG, SR, BC, TP, SEF, and EEG
Trended Parameters: BIS, SQI, EMG, SR, BC, and SEF
BIS Alarm: Upper and Lower Limit, results in visual and audible alert when out of range
EEG Wave Scale: 5, 10, 25, 50, 100 µV
Sweep Speed: 6.25, 12.5, 25, 50, 100 mm/sec
BIS PARAMETER/FEATURES
Multiple View Options: Main, Trend/Chart, and CRG
Reporting: Reporting tool built into monitor to generate user defined report of either numeric chart or printable trends
BIS Smoothing Rates: 10, 15, or 30 seconds
EEG Waveform: Display of Dual EEG Waveforms
EEG Filters:
User selectable
High Pass: 0.25, 1, 2 Hz
Low Pass: OFF, 30, 50, 70 Hz
Notch Filter: ON/OFF (either 50 or 60 Hz, factory localized setting based on country of intended use)
Sensor Impedance Check: Automatic and Manual
Low SQI Condition: Low SQI Condition: Dashed (invalid "--") BIS value when SQI < 15%

BISx ORDERING INFORMATION

Description	Part Number
BISx Module	999900006
Mennen Medical Ltd. 4 Ha-Yarden St., Yavne P.O.Box 102, Rehovot 76100 Israel Phone: + 972 8 932 3333 Fax: + 972 8 932 8510	

BIS SENSOR ORDERING INFORMATION

Part Number	Description	Quantity
186-0106	BIS Quatro Sensor	boxes of 25
186-0164	BIS SRS	boxes of 100
186-0200	BIS Pediatric Sensor	boxes of 25

To order BIS Sensors call:
 Aspect Medical Systems, Inc.
USA: TOLL-FREE 1.888.BIS.INDE(X)
TEL 1.617.559.7000 FAX 1.617.559.7400
Outside USA: TEL +31.30.662.9140 FAX +31.30.662.9150
Internet: bis_info@aspectms.com www.aspectmedical.com

For more information on BIS visit:
www.mennenmedical.com | www.aspectmedical.com



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*Please ask your BIS representative for details on compatibility and module components.

