



Patient Monitors

BIS™ Integrated Solutions



An integrated solution you can count on

The GE Medical Systems Information Technologies BIS/EEG Module provides depth of consciousness and sedation monitoring for use in the OR, ICU and other clinical settings. BIS information is displayed on the Solar® 8000M or 9500 multiparameter monitor screen providing...

- Integrated data management for enhanced record keeping
- Integrated patient information to facilitate clinical decision making
- A space saving solution – no need for stand-alone equipment or added cables
- The convenience of two types (BIS & EEG) of neurological monitoring systems in one single module (Solar 8000M only)
- One, two, or four channels of EEG monitoring (Solar 8000M only)

Partnering to improve patient outcomes

BIS monitoring is most widely used in the OR to:

- Reduce anesthetic drug use
- Decrease the incidence of post operative side-effects such as nausea and vomiting
- Reduce length of stay in the PACU (recovery room)
- Enable you to monitor patients for the risk of becoming aware during their procedure

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

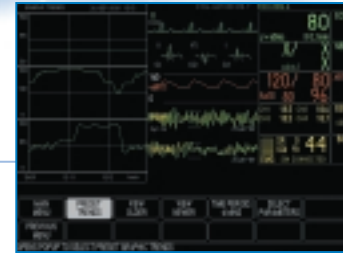
- Mechanical ventilation
- Neuromuscular blockade
- Barbiturate coma
- Bedside procedures

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.



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 Extend Sensor, and BIS Pediatric Sensor

BIS™/EEG MODULE SPECIFICATIONS

DISPLAY

Parameters: BIS and EEG

Numbers of EEG Waveforms: Up to 4

Sweep Speed: 6.25, 12.5, 25 or 50 mm/sec

Spectral Array Display: Compressed/Density

Trended Parameters: Tabular or Graphic Impedance Check

EEG Scale: 5, 10, 25, 50, 100 µV/div

SYSTEM COMPATIBILITY

Solar 8000M and 9500 Patient Monitors

EEG available on Solar 8000M only

Software Revision: version 3 or higher

PHYSICAL SPECIFICATIONS

Height: 4.0 cm (1.6 in)

Depth: 28.6 cm (11.25 in)

Width: 11.4 cm (4.5 in)

Weight: 0.52 kg (1.11 lb)

BIS PARAMETERS/FEATURES

RANGE

24 h/1 min trends, tabular/graphic*

BIS, SR, SEF, AMP, EMG, SQI

Power Spectral Displays*

DSA and CSA, 0-15 Hz/0-30 Hz

Impedance Check*

Auto and manual

Artifact Detection*

Messages are displayed

Numeric Blanking*

When SQI is below 15

* Function of host device

MODULE ORDERING INFORMATION

Visit www.gemedical.com or contact your local GE Medical Systems Information Technologies representative.

GE Medical Systems Information Technologies
 Americas: TEL 800.558.5120 (U.S. only) 414.355.5000
 Europe/Middle East/Africa: +49.761.45.43.0
 Asia: +81.42.582.6820



BIS SENSOR ORDERING INFORMATION

Part Number	Description	Quantity
186-0106	BIS Quatro Sensor	boxes of 25
186-0160	BIS Extend Sensor (US only)	boxes of 25
186-0110	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 +31.71.572.59.35 FAX +31.71.572.59.36
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For more information on BIS visit:
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