

PHILIPS

BIS™ Integrated Solutions



An integrated solution you can count on

The Philips BIS Module provides depth of consciousness and sedation monitoring for use in the OR, ICU and other clinical settings. BIS information is displayed on the **IntelliVue, CMS, V24** or **V26** 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

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}
- Decrease the incidence of post operative side-effects such as nausea and vomiting
- 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.

BIS
THE COMFORT OF KNOWING MORE

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™ MODULE SPECIFICATIONS	
DISPLAY	
Parameters: BIS, EEG waveform, EMG, SQI, SR, Total Power; Spectral Edge Frequency	
Trended Parameters: BIS, EMG, SQI	
BIS Task Window: BIS, EEG waveform, EMG, SQI, SR, SEF, Alarm Limits, Total Power	
SYSTEM COMPATIBILITY	
IntelliVue®, CMS, V24 and V26 Patient Monitors	
Software Revision: C.0 or higher (CMS, V24, V26), A.0 or higher (IntelliVue)	
BIS PARAMETERS/FEATURES	RANGE
Smoothing Rate	Automatically Configured 15 or 30 seconds
Impedance Check	Automatic and Manual
Wave Scale	50, 100, 250, 500 µV/div
Signal Quality Index	Alerts when SQI < 50% Blanks when SQI < 15%
EEG Sweep Speeds	6.25, 12.5, 25, 50 mm/sec
MODULE ORDERING INFORMATION	
Description	Order code
BIS Module and BISx™	M1034AX
Philips Medical Systems U.S. TEL 1.800.934.7372 Canada TEL 1.800.291.6743 Europe, Middle East and Africa FAX (+49) 7031 463 1552 Latin America TEL (954) 835 2600 FAX (954) 835 2626 Asia Pacific TEL (852) 2821 5888 FAX (852) 2527 6727	

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
186-0200	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		

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

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

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.

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