

# Embla® S4500™



**Durable, Reliable,  
and Easy-to-Use  
PSG Amplifier**

The Embla S4500 PSG amplifier features a simplified design that includes a color-coded input panel to optimize efficiency during the patient set up process. This dual component system requires minimal cabling, has been specifically designed to compliment workflow, and complies with AASM guidelines. The Embla S4500 is so robust and reliable, it is backed by a two year hardware warranty.

### RELIABLE AND DURABLE

- Designed to reject signal interference
- Records up to 32 channels
- Streamlined dual component design
- Minimized cabling increases patient comfort
- Integrated steel luer lock pressure transducer

### INTUITIVE DESIGN

- Color-coded input panel featuring patient layout
- Supports and accelerates the training process
- Built-in impedance button with indicator lights
- One step disconnect simplifies unhooking the patient
- 2-pin sensor inputs reduce hookup time and ensure polarity

### POWERFUL, FLEXIBLE PSG SOFTWARE

- Industry leading and AASM compliant PSG software
- Innovative tools to save time and optimize study quality
- Designed around common tasks and natural workflow
- Additional derived signals including flow, lung volume and RMI when Embla XactTrace™ effort belts are used

### THE EMBLA® SENSOR ADVANTAGE

- Complete line of sensors and supplies available 24/7 at [www.shopembla.com](http://www.shopembla.com)
- Unparalleled accuracy with Embla XactTrace respiratory effort belts featuring XFlow™ - a reliable derived flow signal in the event of an absent or lost airflow signal
- Optimal sensor cable lengths available

### EMBLA® S4500 SPECIFICATIONS

#### CHANNELS

8 x EEG	1 x Snore
2 x EOG	1 x Body Position
3 x EMG	2 x Respiratory Effort
1 x EKG	1 x Pressure Transducer
2 x General Purpose	1 x Oximeter
1 x Thermistor	8 x Isolated DC Channels

#### DERIVED TRACINGS

Flow (Nasal Cannula)	Heart Rate (EKG)
Snore (Nasal Cannula)	XFlow™*
Flow Limitation / Flattening (Nasal Cannula)	XSum™*
R-R Intervals (EKG)	Tidal Volume*
SpO <sub>2</sub> Average	Phase*
SpO <sub>2</sub> Beat-to-Beat	Respiratory Rate*
Pulse Rate	RMI*
Pulse Waveform	* XactTrace Belts

#### SAMPLING RATES

- S4500 samples up to 500Hz
- Software allows user to select sampling rates by channel type

#### COMMUNICATION UNIT SPECIFICATIONS

- Standard RJ45 Ethernet connection with Category 5 cable
- Supports adult and pediatric studies
- 8 isolated auxiliary DC channels for external devices such as ETCO<sub>2</sub>, pH, etc.

Caution: U.S. Federal law restricts this device to sale by, or on the order of, a physician. The Embla quality system is certified in accordance with ISO 9001, ISO 13485:2003 and the Canadian CMDCAS, and fulfills the requirements of the European Directive and the U.S. Quality System Regulations for medical devices. Embla, Embletta, Sandman, and REMbrandt are registered trademarks of Embla Systems, Inc. RemLogic, Enterprise, titanium, N7000, S4500, SD20, SD32+, XactTrace, XFlow, and XSum are trademarks of Embla Systems, Inc.

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