

# FORE-SIGHT® Absolute Cerebral Oximeter



Measures non-invasive, continuous ABSOLUTE Cerebral Tissue Oxygen Saturation (%SctO<sub>2</sub>)

## Absolute Confidence

- **Absolute Measurements**  
Clinically relevant, absolute measurements that clearly indicate a patient's cerebral tissue oxygen saturation status
- **Faster Reaction Times**  
SctO<sub>2</sub> measurements enable clinicians to identify and react to instances of lowered brain oxygen saturation before the situation becomes critical
- **Improved Workflow**  
Absolute measurements eliminate the need for a pre-induction baseline

## Featured Technology

- **4 Wavelengths**  
LASER-SIGHT® Optical Technology generates 4 precise near-infrared wavelengths to optimize measurement of targeted hemoglobin states and eliminate patient dependent variability (i.e. melanin)

## Features

- **Continuous or Spot Check Capable**  
For use on a wide variety of patients including perioperative and ICU patients
- **Accurate, Reliable Measurements in Low or Zero Perfusion States**



## Patient Monitors

# FORE-SIGHT® Absolute Cerebral Oximeter



- Indicated for:  
Children and Adults >40kg (Large sensors),  
Neonates and Infants 2.5-8kg (Small sensors)
- STS Database Summary Screen
- Spot-check and continuous monitoring
- No baseline reading required
- Measurement accuracy not affected by temperature or perfusion status
- Ability to store user preferences and event text
- Environments for use include, but are not limited to OR, ICU, NICU and PACU

### Dimensions

Height	20.3 cm/8"
Width	20.3 cm/8"
Depth	33 cm/13"

Monitor Cable: 3 meters/9.8 feet  
Patient Cable/Sensor: 1 meter/3.3 feet

### Vital Signs Monitoring Functions

Absolute cerebral tissue oxygen saturation (%SctO<sub>2</sub>)

Range of SctO<sub>2</sub>: (0-99%)

Refresh rate: every 2 seconds

Accuracy: SctO<sub>2</sub> : ± 4% to 1 SD (40-100%)

Diagnostics: Auto self test

### Environments for Use

Environments include, but are not limited to, operating room (OR), intensive care unit (ICU), neonatal intensive care unit (NICU) and post anesthesia care unit (PACU)

### User interface features

- Easy to read color VGA LCD monitor
- Drop down menus for straightforward navigation
- Dedicated push-button keys for commonly used functions
- Turn & push control knob for simple menu item selection
- Customize and save event mark text for simplified event recording
- Capability to review and mark historical data during or after a case
- Customize & save user profiles for easy recall of preferred settings
  - Alarm & Screen Settings
  - Event mark text, Time Scale, Language

### Power

External AC or battery backup (12 VDC, 2hrs)  
Input Voltage: 100-240 VAC, 50-60 Hz  
Power input: 1.5 RMS (max) at 115 VAC

### Digital Output

4 dedicated bi-directional RS-232 interfaces  
Optional printer  
USB data storage

### Calibration

Factory calibrated  
No user calibration required

### Alarms

Low and High limit violations  
Equipment status messages  
Left / Right differential alarm

### Regulatory standards

FORE-SIGHT complies with the following U.S. and international regulatory standards for medical equipment:

UL 60601-1, IEC 60601-1, IEC 60601-1-1, IEC 60601-1-2, IEC 60825-1, IEC 60601-1-4, IEC 60601-1-8  
93/42/EEC Medical Device Directive  
ISO 10993-1

### Environmental conditions

Operating temperatures:  
10 degrees C to 40 degrees C

Operating humidity:  
30% - 75%, non-condensing

Atmospheric pressure:  
860-1060 HPA, derived from altitude

Storage temperature:  
-20 degrees C to 60 degrees C

Storage humidity:  
95% RH @ 50 degrees C to 15% RH @ 0 degrees C

### Safety

Class 1 laser output with laser safety interlock system  
Defibrillator-proof BF type patient applied parts

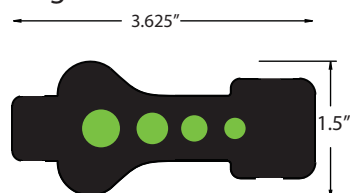
### Warranty

1 year warranty on FORE-SIGHT console  
1 year warranty on optional batteries  
90 day warranty on reusable monitor cables

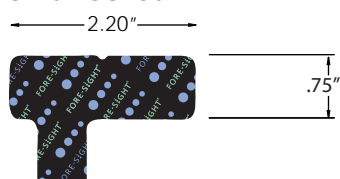
### Parts & Accessories

- 01-06-2010 FORE-SIGHT Cerebral Oximeter w/ Battery Backup (For use with Large Sensors Only)
- 01-06-2030 FORE-SIGHT Universal Cerebral Oximeter w/ Battery Backup (For use with Large and Small Sensors)
- 01-06-0018 (Large) Dual Sensor Ctn 5kits/Ctn
- 01-06-0017 (Large) Single Sensor Ctn 5kits/Ctn
- 01-06-0022 (Small) Dual Sensor Ctn 5kits/Ctn
- 01-06-0021 (Small) Single Sensor Ctn 5kits/Ctn
- 01-06-0005 Universal Monitor Cable with Pre-amp
- 21-02-0217 FORE-SIGHT User Manual
- 21-05-0173 FORE-SIGHT Common Interventions Laminated Card
- 01-06-0031 SctO<sub>2</sub> Simulator
- 01-06-0032 Biomedical Fiber Optic Cleaning Kit (50 orange, 50 clear fiber optic cleaning tips, 1 can fiber

### Large Sensor



### Small Sensor



### CAS Medical Systems, Inc.

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ISO 13485  
Certificate Number FM 72259

Product is CE Marked

Dealer Imprint