

# FORE-SIGHT® Absolute Cerebral Oximeter

**Non-invasive, continuous ABSOLUTE Cerebral Tissue Oxygen Saturation (%SctO<sub>2</sub>) measurements**

## Absolute Confidence

- **Absolute Measurements**  
Clinically relevant, repeatable, absolute measurements that clearly indicate a patient's cerebral tissue oxygen saturation status
- **Advanced Technology**  
Algorithms incorporate age and weight to optimize accuracy for all stages of development
- **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

## Features

- **4 Wavelengths**  
LASER-SIGHT® Optical Technology generates 4 precise wavelengths to optimize measurement of targeted hemoglobin states and eliminate patient dependent variability (e.g. melanin)
- **Patient Safety**  
COOL-LIGHT™ sensor technology ensures zero risk of patient burns
- **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**



# FORE-SIGHT® Absolute Cerebral Oximeter



- Indicated for:  
**Adults ≥ 40 kg (Large Sensor)**  
**Children and Small Adults 4-60 kg (Medium Sensor)**  
**Neonates and Infants ≤ 8 kg (Small Sensor)**
- Absolute accuracy for all patient populations
- Repeatable, reliable readings every 2 seconds
- No baseline reading required
- Spot-check and continuous monitoring
- Measurement accuracy not affected by melanin, temperature or perfusion status
- Environments for use include (but not limited to): OR, ICU, NICU, PICU and PACU

### User interface features

- Easy-to-read, color LCD monitor
- Turn and push control knob for simple menu selections
- Drop down menus for easy navigation
- Dedicated push-button keys for commonly used functions
- Customize and save event mark text for simplified event recording
- Review and mark historical data during or after a case
- Database summary screen for input into STS Database
- Customize and save user profiles for easy recall of preferred settings
  - Alarm and screen settings
  - Event mark text, time scale, language

### Alarms

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

### Digital output

- 3 dedicated, bi-directional RS-232 interfaces
- USB data storage
- Compatible with Philips IntelliVue Monitors MP40/50/60/70/80/90 using AUXPLUS M1032A #A05 with VueLink Interface Cable M1032A #K6C

### 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

### Calibration

- Factory calibrated
- No user calibration required

### 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, ISO 14971-2000

### Environmental conditions

- **Operating temperatures:**  
10° C to 40° C
- **Operating humidity:**  
30% - 75%, non-condensing
- **Atmospheric pressure:**  
860-1060 HPa, derived from altitude
- **Storage temperature:**  
-20° C to 60° C
- **Storage humidity:**  
95% RH @ 50° C to 15% RH @ 0° C

### Safety

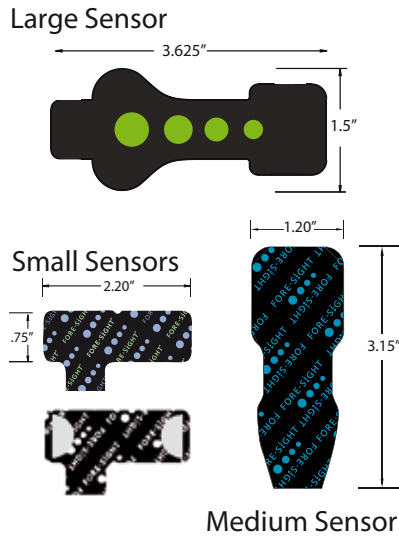
- Class 1 laser output with laser safety interlock system
- Defibrillator-proof BF type patient applied parts

### Warranty

- 1 year warranty on FORE-SIGHT console
- 1 year warranty on optional batteries
- 90 day warranty on reusable monitor cables
- Extended Care Plans available

### Ordering Information

- **01-06-2030C FORE-SIGHT Universal Cerebral Oximeter w/Battery Backup MC-2030** (for use w/all Sensors)
- **01-07-2000** (Small) Single Non-Adhesive Sensor (NAS) 10 kits/Ctn
- **01-07-2002** (Small) Single Sensor 10 kits/Ctn
- **01-07-2003** (Small) Dual Sensor 10 kits/Ctn
- **01-07-2004** (Medium) Single Sensor 10 kits/Ctn
- **01-07-2005** (Medium) Dual Sensor 10 kits/Ctn
- **01-07-2006** (Large) Single Sensor 10 kits/Ctn
- **01-07-2007** (Large) Dual Sensor 10 kits/Ctn
- **01-07-3001** FS Light-Blocker (NAS) 10/Bag
- **01-07-3002** FS Headband (NAS) 10/Bag
- **01-07-3003** FS HOLD-TIGHT™ gel strip (NAS) 20/Bag
- **01-06-0005C** Universal Monitor Cable with Pre-amp
- **01-06-0036** FORE-SIGHT User Manual CD, Multi-language
- **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 (fiber optic cleaning tips, 1 can fiber connector cleaner)
- **01-06-0034** 1GB USB Memory Stick
- **01-02-0188** Citizen CMP-10 Printer Battery
- **01-02-0189** Citizen CMP-10 Mobile Printer
- **01-02-0481** Thermal Printer Paper case (10 rolls/Ctn)
- **01-06-0231** Giraffe Dovetail Attachment
- **01-06-0232** 3" Utility Basket for M series arm
- **01-06-0233** 6" Utility Basket for M series arm
- **01-06-0234** FS 16" Arm Wall Mount
- **01-06-0235** FS 8" Arm Wall Mount (Giraffe Bed)
- **01-06-0236** FS 16" Arm Pole Mount
- **01-06-0237** FS Adapter Plate (for use with rollstand or arm)
- **01-06-0238** FS Roll Stand with Basket and Handle
- **01-06-2133** FS VueLink Extension Cable



### Monitor Dimensions

- **Height:** 20.3 cm/8"
- **Width:** 20.3 cm/8"
- **Depth:** 33.0 cm/13"
- **Monitor Cable:** 3 m/9.8'
- **Patient Cable/Sensor:**  
 (Large, Medium and Small Sensors) 1 m/3.3'  
 (Small Non-Adhesive Sensor) 1.5 m/5.0'

### 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
- **Diagnostics:** Auto self test
- **Accuracy<sup>1-2</sup>:**  
 Large Sensors: 45% to 95%: ±3.7% to 1 SD  
 Medium Sensors: 50% to 99%: ±4.9% to 1 SD  
 Small Sensors: 50% to 99%: ±5.0% to 1 SD

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Reference Information:

<sup>1</sup> Data on file.

<sup>2</sup> MacLeod DB, et al. Validation of the CAS adult cerebral oximeter during hypoxia in healthy volunteers. *Anesth Analg* 2006;102(IARS Suppl):1-330S-162.



ISO 13485  
 Certificate Number FM 72259

Product is CE Marked



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