

Avoximeter[®] 1000E

Whole Blood Oximeter

Quick, Accurate Oximetry Assessment

Essential to cardiac catheterization procedures.



Quantitative results you can count on.

Accriva
diagnostics

Avoximeter 1000E[®]

Optimized for Efficiency in Cardiac Catheterization Laboratories

Today's clinicians seek technology that helps to provide a more accurate diagnosis during cardiac catheterization procedures. The portable Avoximeter 1000E measures total hemoglobin concentration, oxyhemoglobin fraction and computes oxygen concentration in less than 10 seconds.

Ideal for Adult and Pediatric Cardiac Catheterization Cases

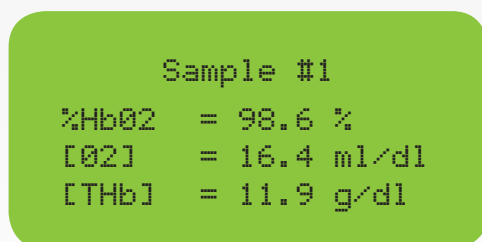
- Quantitative measurements aid in diagnosing and detecting intracardiac and great vessel shunts
- Ideally suited to trend "Step-Ups" in O₂ Saturation while advancing catheters in right heart procedures
- Supports blood conservation protocols, requires only 50µL of whole blood
- Stores up to 500 samples for post procedural case documentation

Optimized for the Cardiac Catheterization Labs

- Measures and displays differences in oxygen saturation between adjacent anatomical sites
- Utilizes the Fick Principle to calculate cardiac output

Computes and Displays the Following:

- Fractional Oxygenation Saturation
- O₂ Content
- Total Hemoglobin Concentration
- Body Surface Area
- Estimated Oxygen Uptake
- Cardiac Output (Systemic Blood Flow)
- Cardiac Index
- Stroke Volume
- Stroke Index
- Pulmonary Blood Flow
- Total Systemic Resistance
- Total Pulmonary Resistance
- Pulmonary-to-Systemic Flow Ratio (from flows)
- Pulmonary-to-Systemic Flow Ratio (from oxygen saturation)



Sample #1
%HbO₂ = 98.6 %
[O₂] = 16.4 ml/dl
[THb] = 11.9 g/dl

EASY-TO-INTERPRET DISPLAY

Rapid, Reliable Oximetry Assessment

- Patented state-of-the-art optics use multiple wavelengths to yield accurate measurements of:
 - Fractional O₂ Saturation
 - O₂ Content
 - Total Hemoglobin Concentration
- Quantitative results in less than 10 seconds
- Single-use cuvettes for maintenance-free convenience and optimal instrument performance

Safe, Convenient, and Easy-to-Use

- Simple, two step test method:
 - Inject 50µL sample into cuvette, and
 - Insert cuvette into the instrument
- No sample preparation required
- Uses whole blood
- Room temperature cuvette storage with extensive shelf life



Measurements and Ranges*

Measurement	Operating Range	Accuracy	Precision	CPT Code
Fractional O ₂ Saturation (%HbO ₂)	0-100%	± 1%	0.5%	82810
Total Hemoglobin Concentration (THb)	4 to 25 g/dL	< 10g/dL = 0.35 g/dL > 10g/dL = 0.45 g/dL	0.3 g/dL	85018
Oxygen Content (O ₂ Ct)	0-35 mL O ₂ /dL	N/A	N/A	N/A

No clinically significant interferences from: Bilirubin, Hemolysis, Carboxyhemoglobin, Methemoglobin, or Fetal Hemoglobin.

*Avoximeter 1000E (operator's manual) [package insert]. Edison, NJ: ITC; Revised 2007.

Regulatory Compliance and Data Management-Driven

- Results stored in memory include patient and operator identification number, date, time, LQC lot number and level, anatomical site sampled, and test result
- User-defined security features including QC, PID and OID lockouts
- Data storage and ability to print report/transfer to data management system, OxyReview™ and/or the LIS
- Quick and easy two-point optical quality control



Ordering Information

Catalog Number	Description
AVOX1000E	Avoximeter 1000E (110V)
AVOX1000E-INT	Avoximeter 1000E (100-240V)
C100B	Avoximeter Cuvettes (100 cuvettes)
AVOXPRNT	Printer for the Avoximeter systems

Find out More

Please contact us to learn more about how the Avoximeter 1000E can help you improve efficiencies in your Cardiac Catheterization Laboratory.

To learn more, visit www.accriva.com

US Customers: 800.643.1640

International Customers: 858.263.2501



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