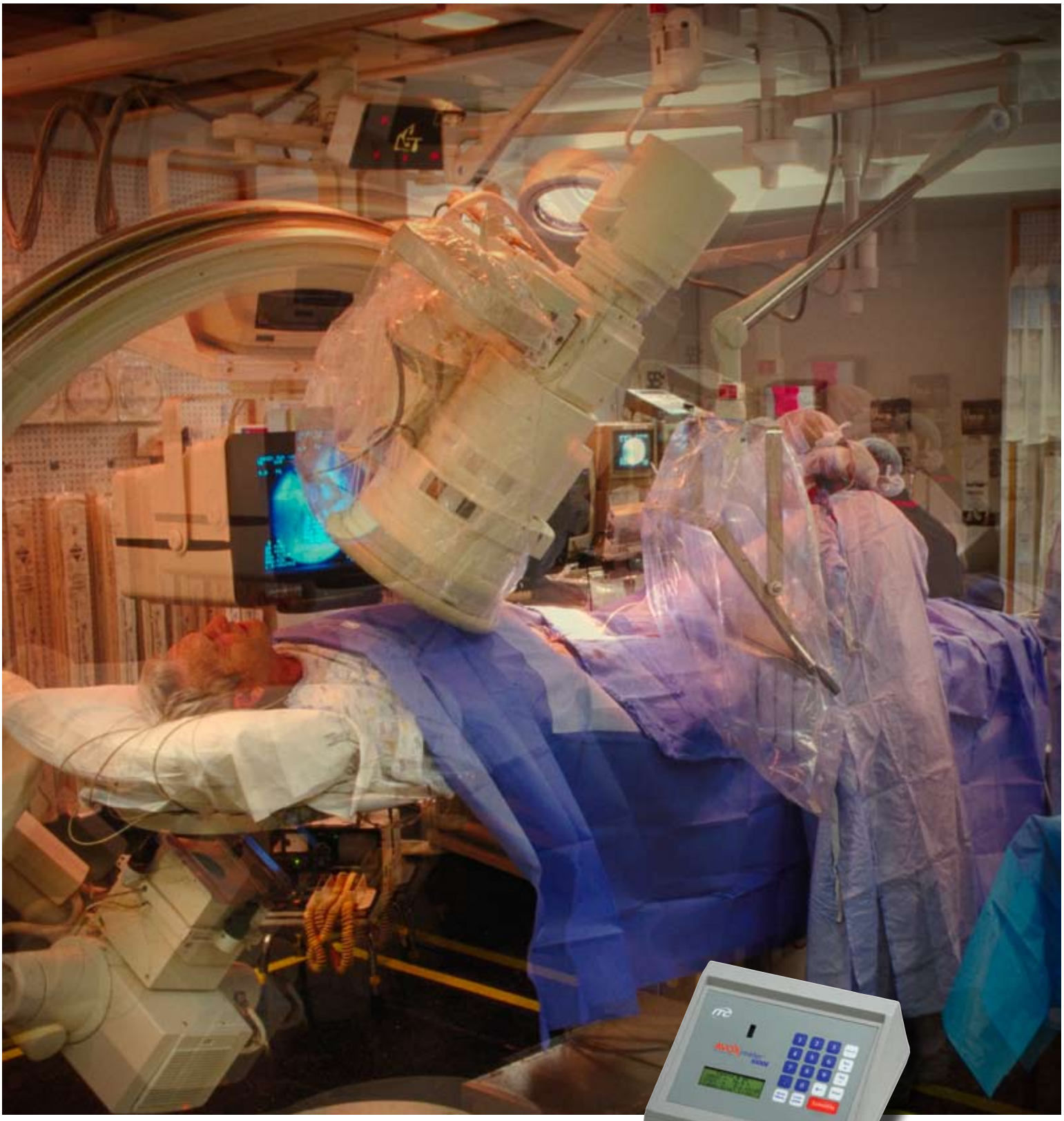
AVOXimeter® 1000E

Whole Blood Oximeter



ITC

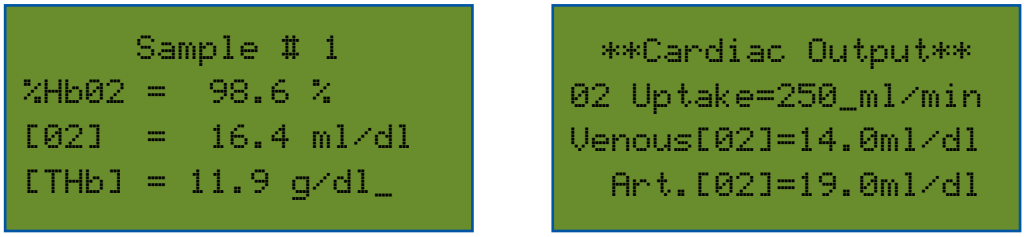
THE **POINT** OF CARE

Rapid, Accurate Oximetry assessment

Today's clinicians seek technology that helps to provide a more accurate and timelier diagnosis during cardiac catheterization procedures. The portable AVOXimeter® 1000E is an advanced oximeter that efficiently measures hemodynamic function for a more comprehensive picture. The AVOXimeter 1000E measures total hemoglobin concentration, oxyhemoglobin fraction and computes oxygen content in less than 10 seconds.

RAPID, RELIABLE OXIMETRY ASSESSMENT

- Patented state-of-the-art optics use multiple wavelengths to yield accurate measurements of:
  - ➤ Fractional O_2 Saturation
  - ➤ O_2 Content
  - ➤ Total Hemoglobin Concentration
- Quantitative results in less than 10 seconds
- Single-use cuvettes for maintenance-free convenience and optimal instrument performance



Easy to Read Display

SAFE, CONVENIENT AND EASY TO USE

- Simple, two step test method:
  - ➤ inject sample into cuvette, and
  - ➤ insert cuvette into the instrument
- No sample preparation required, uses whole blood
- Room temperature cuvette storage with no expiration date

for the Cardiac Cath Lab

IDEAL FOR ADULT AND PEDIATRIC CARDIAC CATH CASES

- Quantitative measurements aid in diagnosing and detecting intracardiac and great-vessel shunts
- Ideally suited to trend "Step-Ups" in O_2 Saturation while advancing catheters in right heart procedures
- Supports blood conservation protocols, uses only 50uL of whole blood
- Stores up to 500 samples for post procedural case documentation

OPTIMIZED FOR THE CARDIAC CATHERIZATION LAB

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

Measured Oxygen and Hemodynamic Calculations

- Fractional Oxygenation Saturation
- O_2 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)

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
- Quick and easy two-point optical quality control
- Data storage and ability to print report or transfer to data management system, OxyReview™ and/or the LIS

Data Management/Connectivity

MEASUREMENTS AND OPERATING RANGES

Measurement	Operating Range	Accuracy	Precision	CPT Code
Fractional O_2 Saturation	0 - 100%	1%	0.5%	82180
Total Hemoglobin Concentration	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_2Ct)	0 - 35 mL O_2/dL			

NO CLINICALLY SIGNIFICANT INTERFERENCES FROM:

- Bilirubin
- Hemolysis
- Carboxyhemoglobin
- Methemoglobin
- Fetal Hemoglobin

AVOXimeter 1000E ORDERING INFORMATION

Product	Product Code
AVOXimeter 1000E 110V	AVOX1000E-110
AVOXimeter 1000E 220V	AVOX1000E-220
AVOXimeter Cuvettes (100 cuvettes)	C100B
Dymo Label Writer SE 300 Printer 110V	SE300-110
Dymo Label Writer SE 300 Printer 220V	SE300-220

Optional Printer

To learn more about how the AVOXimeter 1000E can help you improve patient care at the bedside, please contact us at 1.800.631.5945 or visit www.itcmed.com

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