

MEASUREMENTS AND OPERATING RANGES

Measurement	CPT Code	Operating Range	Accuracy	Precision
Total Hemoglobin (tHb)	85018	4 to 25 g/dL	> 10 g/dL = ± 0.45 g/dL < 10 g/dL = ± 0.35 g/dL	> 10 g/dL = ± 0.3 g/dL < 10 g/dL = ± 0.3 g/dL
Oxyhemoglobin (O ₂ Hb)	82810	0 to 100%	± 1.6%	± 0.8%
Carboxyhemoglobin (COHb)	82375	0 to 75%	± 2.0%	± 1.0%
Methemoglobin (MetHb)	83050	0 to 85%	± 1.5%	± 0.7%
Oxygen Content (O ₂ Ct) Calculated		0 to 35 mL/dL		

INTERFERENCES

	tHb	%O ₂ Hb	%COHb	%MetHb
Bilirubin	none	none	< 1%	< 1%
Hemolysis	none	none	< 1%	< 1%
Fetal Hemoglobin (tHb=13.5 g/dL, Hb _F =100%)	< 0.45 g/dL	< 1%	0.06%/ % HbF	< 1%
Indocyanine green	< 0.45 g/dL	< 1%	< 1%	< 1%

AVOXimeter 4000 ORDERING INFORMATION

Product	Product Code
AVOXimeter 4000 110V	4000/US
AVOXimeter 4000 220V	4000/EU
AVOXimeter Cuvettes (100 cuvettes)	QV8
Dymo Label Writer SE 300 Printer	CTP-3



To learn more about how the AVOXimeter 4000 can help you improve patient care at the bedside, please contact us at **1.800.631.5945** or visit **www.itcmed.com**



Rapid, Accurate CO-Oximetry

assessment at your patient's side

The portable AVOXimeter® 4000 provides rapid, accurate assessment of the patient's true oxygenation status at the bedside. Whether used in the ER to assess carbon monoxide toxicity, the NICU to confirm the presence of methemoglobin as a result of nitric oxide therapy, or other critical care applications the AVOXimeter 4000 offers a more comprehensive and complete evaluation to enable critical decisions and treatments in seconds.

RAPID, RELIABLE CO-OXIMETRY ASSESSMENT

- Results in less than 10 seconds
- Patented state-of-the-art optics yield accurate measurements of:
 - Oxyhemoglobin
 - Carboxyhemoglobin
 - Methemoglobin
 - Total hemoglobin
 - Oxygen content
- Single-use cuvettes for maintenance-free convenience provide optimal instrument performance
- Minimal sample volume (50µL) required designed to promote blood conservation



COST EFFECTIVE AND CONVENIENT

- Easy to fill, disposable cuvettes
- Clean and efficient, no on-board system fluid or waste
- Room temperature cuvette storage with no expiration date



EASY TO USE AT THE POINT OF CARE

- Simple, two-step method:
 - inject sample into cuvette, and
 - insert cuvette into the instrument
- No sample preparation required, uses whole blood
- Portable, lightweight battery-powered system designed for true point-of-care testing
- Illuminated liquid crystal display is easy to read even, in dim lighting

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Sample # 17
tHb  tO2Hb  COHb  MetHb
17.0  39.5  20.6  1.4
g/dL  %      %      %
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Select Sample Type

1. Patient
2. QC
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Easy to Read Display

COMPLIANCE AND DATA MANAGEMENT DRIVEN

- User defined security features assure result integrity for patient reporting and regulatory compliance
- Records patient and operator identification numbers, test results, date, lot numbers, and time
- Calibration and quality control result storage and access
- Quick and easy two-point optical quality control
- Data storage and ability to print report or transfer to data management system and/or LIS



Convenient Optical Quality Control



Data Management/Connectivity