

Oxicom® family of whole blood oximeters



WATERS INSTRUMENTS, INC.®
Medical Systems



WATERS INSTRUMENTS, INC.[®]
Medical Systems

A natural source for
Waters Instruments has supplied whole blood
whole blood oximeter designed specifically
and the Oxicom[®] 2100. Over 1,100 Oxicom

Oxicom[®] 3000

The Oxicom[®] 3000 is designed to meet the oximetry needs of any cardiac cath lab. It offers quick accurate O₂ saturation readings plus automatic computation of A-V O₂ difference—all in a compact and easy-to-use instrument.

The Oxicom[®] 3000 whole blood oximeter provides accurate and repeatable O₂ saturations in less than 10 seconds. For accuracy and convenience in determining cardiac output by the Fick equation, simply input the patient's hemoglobin and obtain the arterial and venous samples. The Oxicom[®] 3000 does the rest.



Optically Clear Disposable Cuvettes

Blood samples are injected into a single use, disposable cuvette. The cuvette is inserted into the sample chamber for measurement. NO BLOOD COMES IN CONTACT WITH THE OXICOM[®]. The cuvette and syringe are then disposed.

Daily quality control is as easy as 1, 2, 3.

Daily quality control is simple with Waters Oxicom[®] 2100 and 3000. Waters has designed three QC filters that guide you through the quality control process. Just insert the appropriate QC filter when instructed and in less than 45 seconds you're ready to go.

- No ampules
- No temperature controls
- No rinse solutions
- No day-to-day expenses



or whole blood oximetry

lood oximeters to the medical community for over 40 years. In 1988, we introduced our first
ly for the cardiac cath lab, the Oxicom[®] 2000, and have subsequently introduced the Oxicom[®] 3000
ns are in use all over the world.

Oxicom[®] 2100

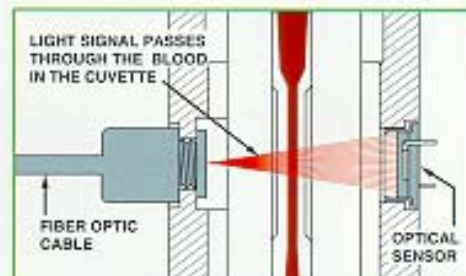


The Oxicom[®] 2100 is designed to provide fast, low cost O₂ saturations in your cath lab less than ten seconds after inserting the sample.

State-of-the-art fiberoptic technology assures you that the measurements are accurate and repeatable.

Fiberoptic Technology

The Oxicoms use a silicon photodetector and two light emitting diodes to measure the oxygen saturation of the sample. A fiber optic cable pulses the light through the sample to the photodetector and the measured O₂ saturation is displayed.



Operation of all Oxicoms is as easy as 1, 2, 3.

The easy-to-read LED display shows clear understandable prompts. When the display says, "RDY", *press* the lighted green START button. When the display says "INS", *Insert* the cuvette into the sample chamber. In less than 10 seconds you can *record* the measured O₂ saturation. *Remove* the cuvette and the Oxicom[®] says that it's "RDY" for the next sample and the green START button is lit.



Specifications

Specified Accuracy Range:

Oxygen Saturation	45% - 99%
Total Hemoglobin	8 - 18%
pH	7.25 - 7.55

Sample:

Type	Whole blood
Size	0.5 ml

Physical:

Dimensions	3.75" high x 9.75" wide 9" deep (approx.)
Weight	3.75 lb.
Shipping Weight	8 lb. (approx.)

Operating Environments

Temperature	65F - 85F
Humidity	0 - 95% (Non-condensing)
Power	100 - 240 VAC, 40 - 440 Hz
Approvals	UL 544 Listed for 115 VAC operation

Anticipated Clinical Accuracy

The Oxicom®-3000 will measure randomly-selected samples with the following Functional Oxygen Saturation (FOS) accuracy. FOS is the percent of O₂ Hb as it relates to the total hemoglobin available for oxygenation.

Oxygen Saturation

95-100%
85-94.99%
70-84.99%

Saturation Accuracy

+/-1%SAT
+/-2%SAT
+/-2.5%SAT

Content Accuracy

+/-1DIGIT

Repeatability

+/-0.5%SAT



WATERS INSTRUMENTS, INC.®
Medical Systems

Waters Medical Systems
A Division of Waters Instruments, Inc.
P.O. Box 6117
Rochester, MN 55903-6177 U.S.A.
Phone: 507/288-7777
1-800-426-9877

© 1994 Waters Instruments, Inc. 4/94 Oxicom

Call 1-800-426-9877

for a demonstration
or more information