



OxyVu-1™ Spec Sheet

Hyperspectral Technology (HT)

Hyperspectral Technology cutaneous Oxygen Monitoring System (HTcOM) provides noninvasive measurement of tissue oxygenation, sensitive to local, regional, and systemic low/no-flow ischemia.

System Overview

The OxyVu-1 system consists of:

- The OxyVu instrument, which includes:
 - Laptop
 - Optical head
 - Articulated arm
 - Portable cart
 - Printer
- Disposable OxyVu CheckPads and OxyVu Targets for calibration

Specifications

Digital Image Acquisition

Image size: 1280 x 1024 pixels

Image resolution: 0.1 nm

Typical time to acquire and process

image cube: <60 seconds

Software

Operating System: Windows XP Home Edition

Login Security Software

Accidental Data Loss Recovery Software

See for Yourself

Contact your local HyperMed sales representative to schedule a demonstration by calling 781-487-0545, emailing info@hypermed-inc.com, or visit us on the web at www.hypermed-inc.com.

Monitor

Flat panel active matrix liquid crystal display

Protective anti-glare, anti-reflective surface

Adjustable brightness

Hyperspectral Optical Head

CMOS detector

Megapixel lens, 17° focus

Wavelength selector

Illuminating white LED sources

Remote sensing infrared thermometer

Focusing lights

Articulated Arm

Arm extends from ground 2 ft to 4.5 ft

Arm swivels 180° at base

Optical head rotates 360°

Measurements and Calculations

Measures hyperspectral tissue oxygenation levels, including:

- Oxyhemoglobin levels (HT-Oxy)
- Deoxyhemoglobin levels (HT-Deoxy)
- Oxygen saturation (HT-Sat) calculation
- Displays two-dimensional color-coded images of tissue oxygenation of the scanned surface
- Reports hyperspectral tissue oxygenation measurements for regions of interest
- Provides comparison of visible and hyperspectral images

Physical Device Specifications

Weight: 150 lbs

Dimensions: 24" L x 63" H x 24" D

Ergonomic cart designed to move easily from room to room

Supported Devices

USB Color Printer

CD/DVD burner

Power Requirements

Voltage: 120 VAC

Current: 5 amps

Inputs and Outputs

AC Input Power: 120 VAC ~ 5.3A 60HZ

Operating Environment

Temperature range: 15° - 35°C

Humidity range: 20% - 80%, non-condensing

Standards, Safety and Regulatory

ETL classified

UL STD 60601-1

IEC 60825-1

CAN/CSA STD C22.2 No 601.1

US FDA 510(k) Clearance

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