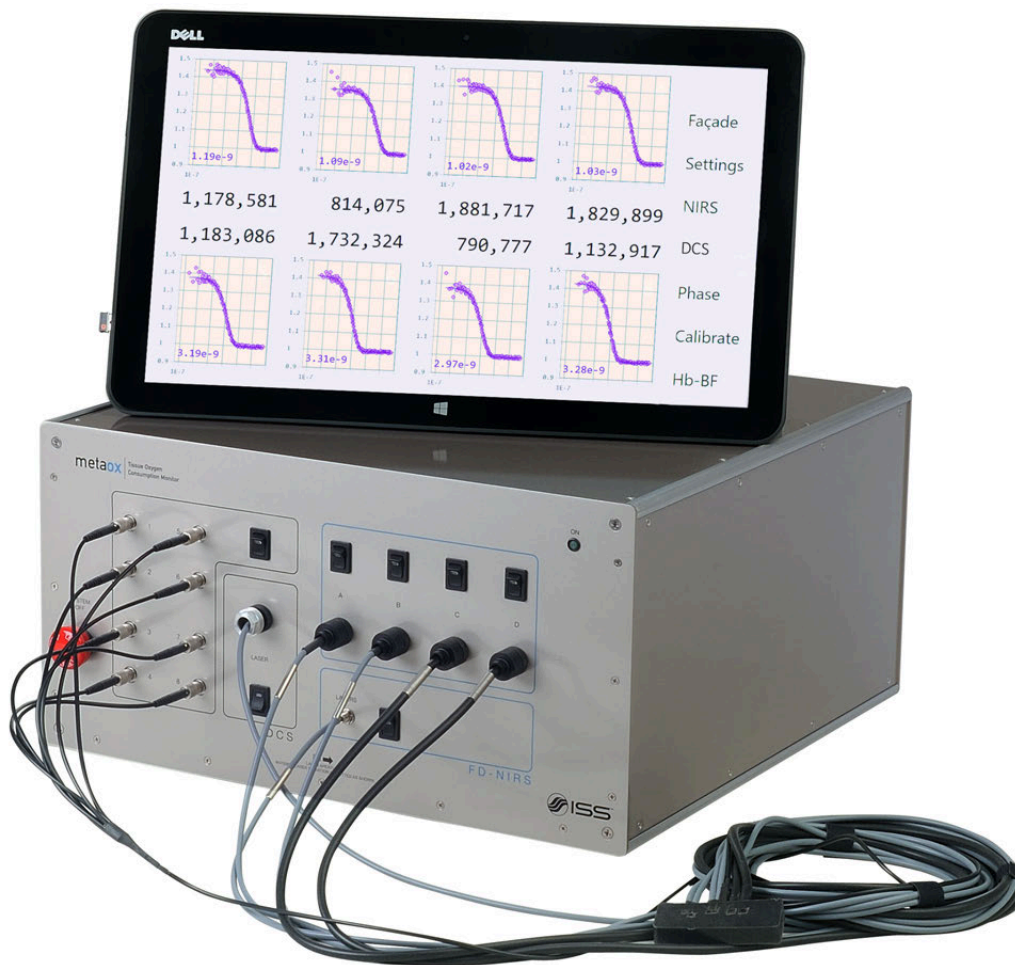


metaox™

Tissue Oxygen
Consumption Monitor



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MetaOx, a unique oxygen consumption monitoring technology instrument, is capable of acquiring quantitative measurements of oxy- and deoxy-hemoglobin concentration using FD-NIRS (FD Near Infrared Spectroscopy) and blood flow using DCS (Diffuse Correlation Spectroscopy).

The DCS Section

- One (1) 850 nm Laser
- Eight (8) APD Detectors

The FD-NIRS Section

- Eight (8) Laser Diodes
- Four (4) PMT Detectors

SPECIFICATIONS

Lasers	NIRS	660, 685, 750, 775, 785, 800, 825, 830 nm; 2-6 mW
	DCS	850 nm, high coherence length; 50mW
Detectors	NIRS	Qty. 4 PMTs, GaAs; computer-controlled gain
	DCS	Qty. 8 APDs; photon counting mode
Acquisition Electronics	NIRS	4-channel A/D converter
	DCS	8-channel digital correlator
Sensor	All Fiber Optic	
Software	Windows 8 OS-64 bit	
Computer	Touch-screen monitor	
	Connection to the instrument via USB port	
Electrical Requirements	110-240 Volt, 50/60 Hz	
Dimensions	45 cm x 24 cm x 44 cm	
Weight	19 kg	



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