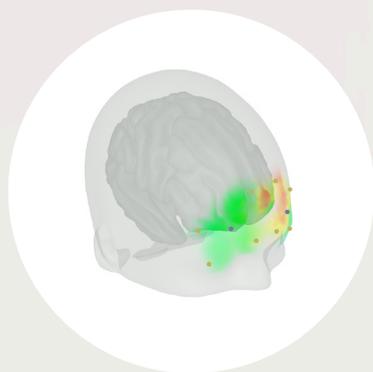


OxyMon

A user-friendly, flexible and very versatile NIRS system.



Main applications are found in:

- fNIRS
- Hyperscanning
- Brain oxygenation monitoring
- Brain computer interface (BCI)



Up to a 108 channel system.



Measures oxy-, deoxy-, and total hemoglobin concentration changes.



Can easily be combined with other techniques such as EEG and EMG.



Utilising the non-invasive NIRS technique.



We offer a great variety of customer specific optode holders, headcaps and fibers.



Analyse your data with our superior (3D) analysis software; Oxysoft.

Interested?

contact us at:

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t

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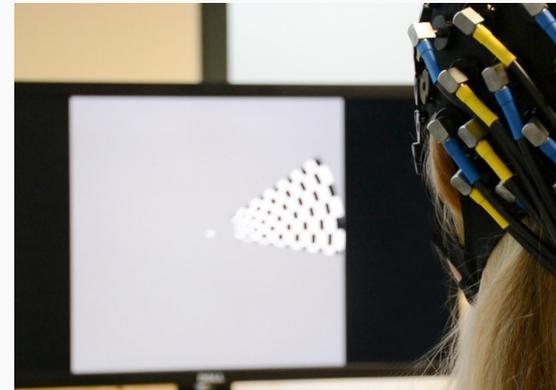
6662 PW Elst

The Netherlands



References to NIRS technology

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Technical Specifications

TECHNOLOGY	Continuous wave near infrared spectroscopy using modified lambert-beer law.
MEASURES	Changes in oxy-deoxyhemoglobin and optionally regional tissue saturation index (tsi) using spatially resolved spectroscopy.
DATA ANALYSIS SOFTWARE	Oxysoft, 3D extension available.
OPERATING SYSTEM	Windows 7, 8, 10
LIGHT SOURCE(S)	Temperature stabilized pulsed laser sources (class I according to IEC-60825-1, safety of lasers)
OPTODE HOLDERS	Multiple distances for muscle or head possible, multichannel generally customer specific.
OPTODE DISTANCE	Depending on application. frontal head up to 6 cm possible with arterial pulsation still visible. For fNIRS 3-4cm is recommended.
ENVIRONMENT	Operating temperature ~10-27 °C. both source and detector stabilized. altitude: 0-5750 m.
DIMENSIONS	Weight: 7 to 8 kg, wxdxh: 37x30x9 cm
CHANNELS	Between 1 and 108.
STORAGE	Real-time unlimited data storage.
EXTERNAL INPUTS	Optional are 8 additional analog inputs at 50 hz (250 hz optional), ± 4 volt.
STORAGE	Real-time, unlimited data storage.
DETECTORS	Temperature stabilized and cooled avalanche photo diodes with ambient light protection.
WAVELENGTHS	Standard nominal 765 and 855 nm, other possible.
INTERFERENCE	With nmr compatible fibers the instrument can be used inside the MRI. EEG/ECG does not interfere the optical signal.
POWER	Auto sensing: 110-240 v, approx. 40 watt.
ACCESSORIES	The OxyMon can be combined with: - AD Input/output box, AD board - Portasync - Parallelsync cable - Oxysoft 3D extension
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NIRS + OTHER MODALITIES	We deliver the following packages: OxyMon + TMSI EMG package (2 channels or more). OxyMon + TMSI EEG package (16 channels or more). OxyMon + Tobii Eyetracker.



The OxyMon

Quotation?
contact us at:
askforinfo@artinis.com

OxyMon research package
What's in the box?

The OxyMon
Fibers of your choice
Headcap or holders of your choice
1x License key
Oxysoft, data analysis software

Stickers and bandages
Dark cloth or bandana
Laptop
User Guide
Support in setting up your research