

# OctaMon M

The first portable  
8-channel NIRS device for  
muscle oxygenation  
measurements



8-channels and truly portable.



Utilizing the non-invasive NIRS technique.



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



Can be combined with other techniques  
such as ECG and EMG.



Easy analysis of your data with our  
superior analysis software; OxySoft.



## Application examples:

- Sports science
- Sports medicine
- Rehabilitation
- Urology research
- Mitochondrial capacity research

[www.artinis.com](http://www.artinis.com)

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OctaMon M  
research package

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## References to portable NIRS

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## Technical specifications

TECHNOLOGY	Continuous wave near infrared spectroscopy using the modified Lambert-Beer law
MEASURES	Oxy-, deoxy-, and total hemoglobin concentration change
DATA ANALYSIS SOFTWARE	OxySoft
OPERATING SYSTEM	Windows 7, 8, 10
LIGHT SOURCE	8 light emitting diodes, each with 2 wavelengths
CHANNELS	8 channels
WAVELENGTHS	Standard nominal 760 and 850 nm, others possible
DETECTORS	2x photodiodes with ambient light protection
OPTODE DISTANCE	Adjustable distance: 25, 30, 35, or 40 mm
POWER	Fast charging battery that lasts up to 6.5 hours on a single charge
TOTAL WEIGHT	Approximately 210 grams including battery
SIZE	Battery housing: 84 x 43 x 16 mm Processor housing: 68 x 37 x 25 mm
ENVIRONMENT	Operating temperature: 10 - 35 °C
ELECTROMAGNETIC COMPATIBILITY	No interference with EEG, ECG or EMG
OPTIONAL	Can be combined with the PortaSync
RESOLUTION	16 bit
SAMPLE RATE	50 Hz

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## What's in the package?

The OctaMon M is delivered in a plug-and-play package that includes everything you need to start your research.