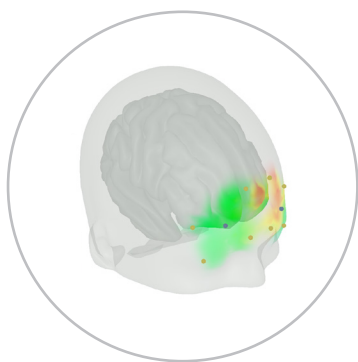


# OctaMon

One-of-a-kind  
8-channel and truly  
portable NIRS device



## Main applications are found in:

- Brain oxygenation monitoring
- Pediatric studies
- Sports science
- Functional studies
- Cerebral studies



8-channels, truly portable



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.



Bluetooth connection



Analyse your data with our superior  
analysis software; Oxysoft.

## Interested?

contact us at:

[askforinfo@artinis.com](mailto:askforinfo@artinis.com)

t  
f  
e

+31 481 350 980

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[askforinfo@artinis.com](mailto:askforinfo@artinis.com)

Einsteinweg 17

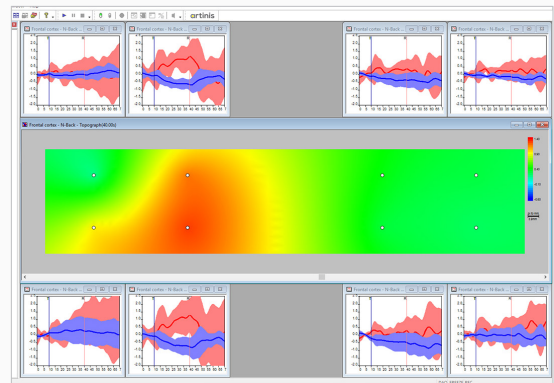
6662 PW Elst

The Netherlands



## References to wireless NIRS

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Applications of the OctaMon



## Technical Specifications

TECHNOLOGY	Continuous wave near infrared spectroscopy using modified Lambert-Beer law
MEASURES	Oxy-deoxy and total hemoglobin
INDICATIONS	Battery status, Bluetooth connection
DATA ANALYSIS SOFTWARE	Oxysoft
OPERATING SYSTEM	Windows 7,8,10
LIGHT SOURCE	Light emitting diodes: 8x2 wavelengths
CHANNELS	8 channels
WAVELENGTHS	Standard nominal 760 and 850 nm, others possible.
DETECTORS	Photo diode with ambient light protection.
OPTODE DISTANCE	35 mm
POWER	Up to 6 hours with one interchangeable and rechargeable battery.
TOTAL WEIGHT	230 grams including battery.
SIZE	Battery housing: 84x54x20 mm, wire: 1.3 m headbands available in multiple sizes: XS: (OctaMon Mini) 48-50 cm S: 52 cm M: 56 cm L: 60 cm
ENVIRONMENT	Operating temperature: ~ 10-35 °C
INTERFERENCE	No interference with EEG, ECG or EMG.
OPTIONAL	All devices can be combined with the Portasync.
NOISE	~ 0.001 standard deviation in optical density at a total of ~6 optical densities at a measurement frequency of 10 Hz.
ACCESSORIES	The OctaMon can be combined with the Portasync.
NIRS + OTHER MODALITIES	We deliver the following packages: OctaMon + TMSI EMG package (2 channels or more). OctaMon + TMSI EEG package (16 channels or more). OctaMon + Tobii eyetracker.

### Quotation?

contact us at:

askforinfo@artinis.com

### OctaMon research package

#### What's in the box?

1x OctaMon  
1x strong and sturdy Pelicase  
1x License key  
1x Bluetooth dongle  
Oxysoft, data analysis software

Batteries and charger  
Neoprene headband  
Dark cloth  
Laptop  
User Guide