

Accessories

Customize your research

We, at Artinis, understand that each type of research has its own specific needs. That is why we have developed accessories which can be used together with our NIRS product. If you feel you have a great concept, but are not able to realize it, it is always possible to contact us to see how we can enable it. Here you will find several examples of additional items we can deliver.



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PortaSync

Wireless event synchronisation device

- + Two Event Levels
- + Wireless Connection
- + Trigger Output
- + Trigger/Analog Input
- + Docking Station Included



About the PortaSync

An everlasting problem for the researcher in his lab is the synchronization of the different types of instrumentation and the data files they produce. Many instruments cannot be coupled directly but most do have a way of producing a trigger signal or have the capability to record one. The Artinis PortaSync proposes a solution to this problem! It is a handheld device, which connects wirelessly to the any of our NIRS instruments, including our wireless instruments. It can generate two signal levels in the NIRS data file, e.g. representing two types of events. These signals are also generated as an output to any external device you wish. As an extra we added one analog input port!

Interested? Please contact us at askforinfo@artinis.com



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AD Box

External recording device

- + Analog Input Box
- + Analog Output Box



About the AD Box

The Analog Input Box is an external device working together with the all our NIRS systems. It has 16 analogue input ports which are sampled with the same frequency as the NIRS system. The data is stored in the same file as your NIRS data. The AD input box is capable of collecting very fast signals of up to 80 Hz signals. The range of this system is ± 5 Volt.

The Analog Output Box is an external device working together with the OxyMon. It gives the concentrations in terms of micromolar for oxy- and deoxyhemoglobin as output. The channel outputs are set according to the chosen measurement template in Oxysoft. An output change of 1 Volt will equal either 4 or 40 micromolar. The output box has 16 channels, enough for an 8-channel (1 cabinet) OxyMon system. The range of this system is ± 5 Volt.

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AD Board

For analogue input signals

- + Analog Input Signals
- + Synchronization with other devices
- + Combined with the OxyMon



About the AD Board

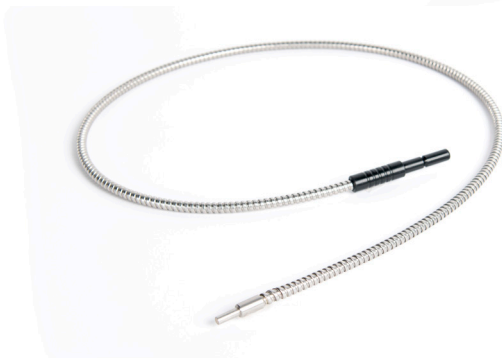
This unit collects parallel to the sampling of the OxyMon data and in the same data file, up to 8 physiological signals (-4V/+4V). The unit is built into the back-end of the cabinet. The sampling frequency will be the same as the sampling frequency to which the oxygenation data are set.

Interested? Please contact us at askforinfo@artinis.com

Fibers and holders

Optimize your research

- + Endless Possibilities
- + Customized Products
- + Long fibers available for MRI
- + No interference with EEG or TMS



About our products

There are many applications of NIRS, of which some require specific holders. We offer a large range of standard holders and head caps, but it is not limited to this. If you think you need a custom made holder we are always willing to help. We also have loose parts so you can assemble your own holders to fit to your specific needs. We also offer combination holders for transcranial Doppler (TCD). Our fibers and holders do not interfere with EEG or TMS. We also have special fibers which are MRI compatible and have a length up to 10 meter.

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E-Prime[®] cable

Computer interface

- + Synchronizes NIRS data with stimuli of E-prime[®]
- + Psychological research



About the E-Prime[®] cable

This product allows you to collect your data synchronized with E-Prime[®] signals from serial port to analog port. E-Prime[®] is a software applications suite for conducting psychological and neuroscientific experiments. Must be combined with input box or board. Multiple signal output levels are possible.

Interested? Please contact us at askforinfo@artinis.com

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Training and consultancy

Fit-for-purpose solutions

Our products, including software are relatively easy to use and easy to get started with. If you do think training would suit you and your research group better, we are always willing to come to your facility and install the device and give training about general NIRS, its application and the device itself. If you think you can use an extra hand in your experiments and the analysis we can also offer advanced research consultancy.



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