

NEUROLITE

Advanced Medical Solutions

NIRS

EEG

tES

TMS

QST

Research Solutions
for Neuroscience and Cognitive Psychology

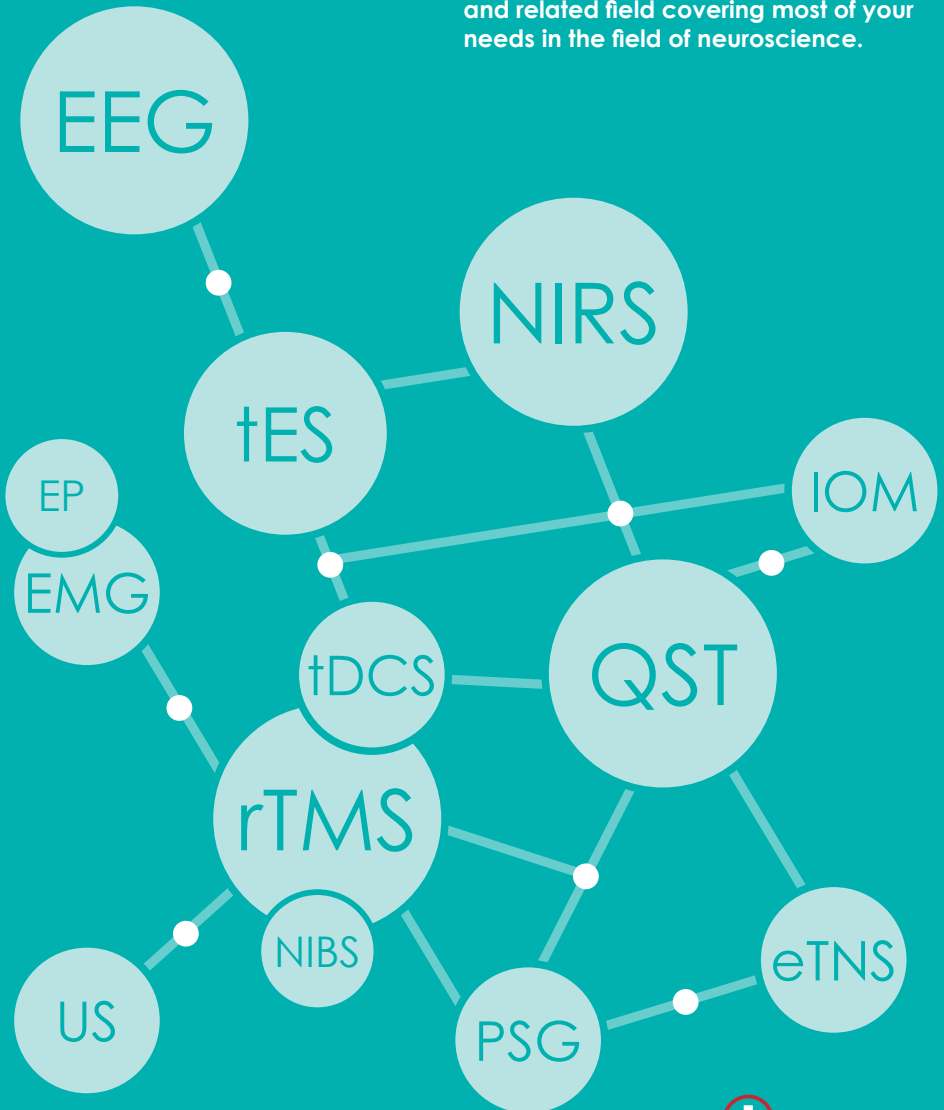
SWISS PARTNER



NEUROLITE

Advanced Medical Solutions

NEUROLITE distributes and supports high quality medical systems and products mainly used in neurology and related field covering most of your needs in the field of neuroscience.



SWISS PARTNER

Near Infrared Spectroscopy

For every research everywhere

For over a decade Artinis has been providing user-friendly, high-tech and top quality solutions for NIRS measurements. Artinis is world leader in wearable NIRS and all products are based on scientific background.

Usage in Research

- Functional NIRS
- Sport science and high altitude research
- Hyperscanning
- Brain Computer Interface (BCI)
- Brain and muscle oxygenation monitoring



OXYMON

Up to 108 channels
at 250Hz



BRITE MKII

Up to 54 channels
at 150 Hz, wireless



OCTAMON

8 channels at
10 Hz, wireless



PORTAMON

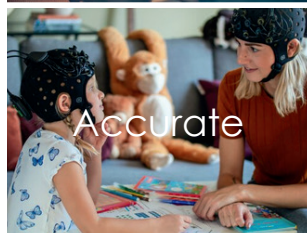
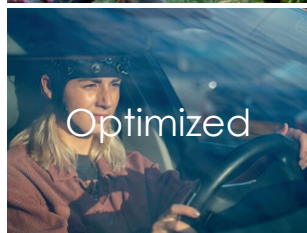
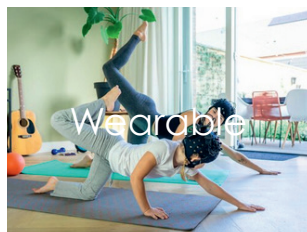
3 channels at
10 Hz, wireless,
muscle oxygenation



PORTALITE

3 channels
at 10 Hz, wireless

artinis



EEG

Electroencephalography

your wireless EEG solution

Wireless EEG uses state-of-the-art technology to record brain activity in ecological conditions. Nowadays, Neuroelectrics and EBNeuro offer high-performance EEG systems fully wearable and comfortable for the participants.

Usage in Research

- Event Related Potential (ERPs)
- Sleep research and epilepsy
- Hyperscanning
- Brain Computer Interface (BCI)
- Consumer neurosciences research



BE Plus LTM
Up to 64 channels,
wet electrodes



Enobio
Up to 32 channels,
using dry, semi dry
or wet electrodes

Transcranial Electric Stimulation

A truly wearable device for brain electric stimulations

Wireless tES devices by Neuroelectrics give you the opportunity to effectively study in the intended use environment, giving access to potentially excluded populations. Furthermore, personalized services of electric field-modeling and montage optimization allow you to address more efficiently your research question. This all makes Starstim the most flexible multi-channel tES solution for today's and tomorrow's research needs.

Usage in Research

- tDCS (direct), tACS (alternative), tRNS (random noise)
- Cognitive neuroscience
- Sport research
- Neurophysiology
- Neuroplasticity
- Neuromodulation at home

NE
neuroelectrics®



StarStim 8
8 channels,
combined tES-EEG,
compatible with
NIRS



StarStim R32
32 channels,
combined tES-EEG



StarStim R20
20 channels,
combined tES-EEG



StarStim tCS
8 channels
tES only

Transcranial Magnetic Stimulation

Brain stimulation – TMS research takes you to the next level

MagVenture offers advanced neuromodulation systems for TMS research. From a turn-key solution for interleaved TMS-fMRI to Theta Burst Stimulation (TBS), or even TMS on rodents, MagVenture is capable of solving even the most demanding needs from researchers.

Usage in Research

- Translational research
- Cognitive neuroscience
- Functional Magnetic Resonance Imaging (fMRI) research
- Neurophysiology
- Double-blind protocols



MagPro features

Stimulation frequency up to 100 Hz, TBS, mono- and/or biphasic, compatible with other modalities (EEG, EMG, NIRS, MRI...)



MagProXP

Extended power, stimulation frequency up to 250 Hz, TBS/fMRI, also compatible with EEG and EMG.



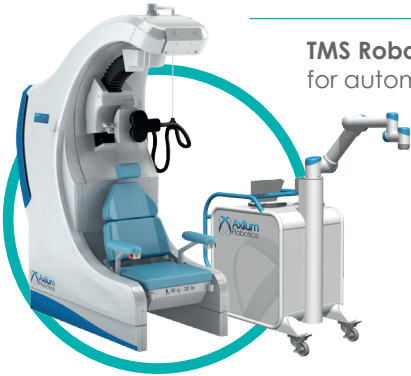
Neuronavigation by Localite

Up to 4 coils, on brain template or personal dataset, EEG-, NIRS- & fMRI-compatible.



MagVenture TMS Research

Making impossible possible.



TMS Robots by Axilum
for automated targeting and precise movement control.





Assessing Pain

The gold standard for pain research

Medoc sensory analyzers are recognized worldwide as the gold-standard for assessing pain and thermal pathways. Medoc systems allow to perform various modalities of thermal, pressure, and vibration testing.

Usage in Research

- Quantitative Sensory Testing (QST)
- Contact Heat Evoked Potential (CHEPs) and Cold Evoked Potentials (CEPs)
- Conditioned Pain Modulation (CPM) with dual thermode
- Pharmacology



TSA 2

QST and CPM (0–53°C),
Contact Heat and Cold Evoked Potentials,
MRI-conditional



Q-Sense

Simple QST (20–50°C)

NEUROLITE

Advanced Medical Solutions

Contact



Find suitable accessories
directly in our **Webshop**



EMG



EEG



PSG



IOM



ACC

Neurolite AG

Hühnerhubelstrasse 79
3123 Belp

031 812 28 28
info@neurolite.ch
www.neurolite.ch