

## Features and benefits NeXus-4



For more information please visit [www.mindmedia.nl](http://www.mindmedia.nl) or contact us at 0031-(0)475-410123 or [sales@mindmedia.nl](mailto:sales@mindmedia.nl)

### Features NeXus-4

### Benefits NeXus-4

Multi-modal: EEG, EMG, ECG/EKG, EOG, skin conductance, temperature, blood volume pulse, respiration, etc.

Up to two channels of EXG (EEG,EMG,ECG/EKG, EOG) and two other peripheral parameters simultaneously. Peripheral parameters: skin conductance, temperature, blood volume pulse, respiration

Bluetooth wireless up to 10 meter

Battery powered, giving a total freedom of movement. Client isn't limited by any cables and is totally free in his/her movement.

Electrode contact check (impedance)

Checking electrode contact/connection **online**. You are certain of a reliable measurement throughout the whole session. Checking contact during a session, without stopping, increasing your efficiency.

Flash card (SD card) 64 mB

Ambulant recording without having to be in the vicinity of a PC or laptop. Continuous measurements during daily (sport) activities (up to 24 hours).

Dimensions/Weight: 11,2cm x 6,6 cm x 2,8cm / 138 gram  
4,37" x 2,57" x 1,09"/ 4,87 oz.

Small and light, making the NeXus-4 extremely portable.

24 bits resolution/accuracy

Accurate measurements in a wide range. Very small signal changes can be measured, relevant to temperature, skin conductance, blood volume pulse and muscle activity. Fluent visualisation of very small changes in signals. Note: the higher the bit resolution, the more accurate your signals/graphs will be.

Samplerate: 1024 Hz (in 2 EXG channels)

Ability to measure up to 500 Hz in 2 channels simultaneously. Measurements of SCP (low Hz) until high-frequent muscle measurements (EMG) are possible.

Medical class IIA/FDA 510K approved

Certified for use in hospitals, guaranteed safety.

Leather carrying case with carrying belt

Protective leather case. Easily take the NeXus with you.

### Features Sensors

Active noise cancellation technology (active shielding)  
Carbon coated cables



### Benefits Sensors

Elimination of movement artifacts and noise. Only measure what you would like to measure, without noise!

High grade aluminium brushed connectors

Frequently used connectors in the medical field, very reliable and durable connectors. Artifact free, no movement artifacts

### Features BioTrace+

Flexibility

Change screens to your own desires/wishes, even online or during replay. Change colours, texts or even develop your complete own screens on the fly.

Point, click & go! (Sensor demo protocols)

Get's you up and going with NeXus very fast and easy.

Lots of screens - obrt 300 arranged into logical categories

BioTrace+ already offers a vast amount of screen categories and screens, for both client and therapist; EEG, EMG, respiration, heart rate variability, skin temperature, demo screens, skin conductance, skin temperature, multi-modality screens, etc!

True dual screen - therapist and client screen

Both therapist and client can use their own screen. Based on statistics on the therapist screen, you can change settings, animations and graphs shown to the client.

Reports

Easy and fast visualization of raw as well as computed signals in graphs, bargraphs, numerical values, etc. Create unique (trend) reports for each patient

Content: movies, animations, pictures, dvd's, games, etc

Training is made very attractive with lots of movies, animations, pictures, puzzles and games already present in BioTrace+. Extra movies, pictures, games, etc. can even be added! Very attractive, also for kids.

Data export (ASCII (tab and comma delimited), EDF(+), Matlab)

Easily export data in to different formats for advanced data analysis. Compatible with all kinds of programs such as Excel, Matlab. Fully compatible with QEEG databases such as SKIL, SKIL 3.0, Neuroguide, Eureka/Loreta.

Configurable filters and channels

Pure raw data is measured! Further computations are done by the software. Filter settings are not dependent on the sensors, you are offered full flexibility in doing computations online or offline with BioTrace+

Real-time screen vs overview screen

Easily switch between the real-time screen and the overview screen by pressing one button. Edit your screens **online**

Scripts and protocols - over a dozen.	Make your own sequence of screens with an easy to use sequence builder. Link screens together and let BioTrace+ do the rest. Over a dozen training script already present so that continuing education or or review from previous training is easy to perform.	
Creating content	Add your own movies, music, games, puzzles, etc!	
Z-score	Training with z-scores supplies you with a fast and easy view of extreme values and an easy way to train.	
Heart Rate Variability (HRV)	Train your heart rate variability, coherence and low frequency zone with numerous screens! A pacer aids you in your breathing pattern and helps in optimizing heart rate variability.	
Share screens	Easily share your own developed screens with others.	
Free updates!	Future updates can be downloaded free of charge. BioTrace+ includes all the above features and is not built up in modules	
And much more! For more information, please contact us!		
<a href="http://www.mindmedia.nl">www.mindmedia.nl</a>	<a href="tel:0031-0475-410123">0031-(0)475-410123</a>	<a href="mailto:sales@mindmedia.nl">sales@mindmedia.nl</a>