



Your requirements. Our systems.

Proven technology

From the manufacturer

24/7 Support

www.alphatrace.at

EEG

PSG

EMG

Additional modules +

Classic Trend Module
Density Spectral Arrays (DSA)
Absolute & relative power trends

Neuro Trend
Automatic analysis of EEG patterns based on the ACNS recommendations

QEEG Module
Power spectral analysis
Amplitude-/ Power- and Coherence-Maps
plus export of analysis results

3D-Source Module
3D illustrations of spike and seizure patterns

Alpha View
Licence free review on any computer -
ideal for presentation and training purposes

HIS interface
Transfer of patient data and
return of medical reports

Our solutions

- Routine EEG
- 24h/long-term EEG recording
- Epilepsy monitoring
- aEEG
- EEG recording in suspected cerebral death

Standard Configuration

- Height adjustable, mobile cart
- Detachable amplifier on swivel arm or mobile stand
- „One click“ calibration and impedance test
- Flexible configuration for 32-256 channels
- 10/20 EEG scheme, polygraphy and DC-inputs
- Adjustable and high sampling rates (up to 2 kHz)
- Starterkit (bridge-/cup-electrodes/, EEG-cap, ECG-Kit)
- LED photic stimulator on swivel arm

Why alpha trace EEG?

- Competent support from the manufacturer
- Individual cart configuration
- Graphic user interface for easy and intuitive use
- Reliable support throughout the products lifetime

Note: The image of the cart is symbolic.



Our solutions

- Stationary and ambulant PSG
- Recording and evaluation acc. to AASM
- Sleep analysis of infants and adults

Standard Configuration

- Amplifier mounted on wall (close to the patient)
- „One click“ impedance test and bio callibration
- EEG-/Polygraphy- and DC-inputs
- Compact mini connection box
- Integrated SpO₂ module
- Digital PTZ network camera (pan, tilt, zoom)
- Infrared-light (IR) for video recording during the night
- Interfaces to external devices (capnograph, NIRS, TC-CO₂, etc.)

Why PSG with alpha trace?

- Intuitive software, that fits all users (recording and review)
- Individual solutions meeting your demands
- Long experience in the field of PSG

Additional modules +

Sleep Module
Dual screen solution
Individual definition of sleep settings
SpeedLink transfer from results to reports

Video Module
Time synchronized data and video
Automatic day/night switching -
(colour- or black/white mode)
Additional video zoom tool
Dual-Camera
Bi-directional audio (patient communication)

Classic Trend Module
Density Spectral Arrays (DSA)
Manual or automatic hypnograms for AASM/infants
Compressed traces for SpO₂, heart rate, etc.
Position trend (colour coded)
Trend overview of selected sleep events

HIS interface
Transfer of patient data and
return of medical reports

We offer a large selection of EEG, EMG and PSG accessories.
Ask our team for tips or order a free catalogue: office@alphatrace.at

EEG caps



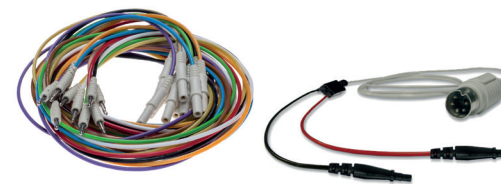
Gels and pastes



Electrodes



Cables and adapters



Sensors



Your requirements – our systems

Individual solutions

As a manufacturer we have the ability to tailor our systems with regard to your needs - you benefit of individual products

Modular hard- and software components

You just buy, what you need - this is how our systems remain cost efficient - you can always upgrade your equipment

Intuitive and easy usability

Based on our customers feedback, our systems are continuously further developed, evaluated and improved -for us it is important that our systems are practical in use and make your lives easier

Service from the manufacturer

We focus on our core competences in the field of neurophysiology –
our service team consists of specialists in the field of EEG, EMG and PSG - it is available for our customer 24/7

ISO EN 13485 certificate

Not only our products are CE-marked but as well our development process and the companies quality management system -
this certificate ensures high quality products and processes that you will honour (from product development to after sales service)

Since our founding in 1980 we have built close relationships with our customers that have enabled us to understand their specific requirements and to react professionally. Our customers are integrated throughout all stages of the product development processes. They inspire new products and help us validate and improve them. That's why our credo is: **Your requirements - our systems.**

Milestones

- | | | | |
|------|---|------|---|
| 1980 | Company founding | 1985 | First PC-based BrainMapping system |
| 1987 | Implementatin of the first paperless EEG | 1990 | PSG system for infants |
| 2001 | Start of the 1 st PC-based EP system | 2002 | alpha trace SLEEP PSG system (4 th generation) |
| 2005 | NeuroGraph system - EMG/NLG/EP | 2010 | alpha trace MiniRecorder |

Current

Continuous research and development in collaboration with our customers with focus on our core competences in the field of EEG, PSG and EMG.



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