

Surpass LT

Clinical

- 2 or 4 channel amplifier
- 1 channel electrical stimulator
- 4 bipolar electrode inputs
- AEP, VEP & SEP stimulators all built into headbox



Surpass

Clinical and Research

- 2, 4 or 8 channel amplifier
- 2 channel electrical stimulator
- 8 bipolar electrode inputs
- AEP, VEP stimulators built into headbox
- SEP stimulator in stimulator output box



NEW Surpass design!

Surpass II

Research

- 2, 4, 8, 12, 16 channel amplifier
- 2 channel electrical stimulator
- 16 bipolar electrode input switching option
- EP stimulators built into console



Complete range of EMG/EP/IOM Solutions in Neurodiagnostics

Surpass LT
Surpass
Surpass II

EMG/EP



Expertise in Medical Solutions

We have been leading innovation in Neurophysiology for over 30 years. EMS continues to provide innovative leading edge technologies for Neurophysiology diagnostic applications.

Our products are designed and developed to satisfy the most demanding customer needs and guarantee reliability, quality and flexibility in performance.

In addition to our neurodiagnostic solutions for NCS/EMG/EP/IOM, EEG, ERP, Poly EMG and PSG we offer EIS (Electrical Impedance Segmentography) in the respiratory field as well as a full range of accessories and supplies.

Choose EMS and use our professional worldwide sales, service and support network extending to over 120 countries.

Our international team of trained application specialists will provide you with individual user training and post-sales support.

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Surpass LT
Surpass
Surpass II

Multimodality EMG/EP/IOM Solutions in Neurodiagnostics

Product family Software applications

We offer a very wide range of Amplifiers to meet clinical and research needs. Our range of 2 to 16 Channel Amplifiers are all designed to deliver the highest levels of performance to deliver the HIGHEST LEVELS OF PERFORMANCE and superb SIGNAL QUALITY to satisfy the most demanding requirements. Our extensive range of clinical tests allow for maximum functionality and efficiency following over 30 years of clinical feedback and provide FLEXIBLE WORKFLOW for routine and advanced clinical needs and in research environments.

The use of the latest and most advanced innovative technology ensures best in class reliability, performance and VALUE. Our Surpass systems integrate the latest hardware Amplifier technology with industry leading software programming and sets the highest standards in NCS, EMG and Evoked Potentials. We are proud of our reputation as leaders within our area of expertise: **World Leaders in ELECTROPHYSIOLOGY.**

Surpass LT portable version



Efficiency and Flexibility in Data Management

A single operating system philosophy allows the creation of a central patient database. Automatic saving and archiving on the network allows you to work directly with the review software from the central server. All acquisition protocols are user configurable and easy to access from the current menu screen. The efficient and reliable Surpass range with its integrated solutions offers the flexibility you need to perform comprehensive neurodiagnostic testing.

Report program

Reports are easily generated, user definable and flexible. The program allows you to customize your reports by using preprogrammed templates. You can transfer your examination results, patient information and selected traces to the report automatically. The advanced report program is fully flexible and easy to use within the MS Word® environment.

Surpass Product range Features:

- Desktop and portable solutions
- 2-16 channel amplifiers
- 1-2 channel electrical stimulators
- Quality sorted averaging method resulting in the shortest examination time
- Touch panel control available
- Customizable reports using MS Word®
- Internal amplifier switching option
- Voice stimulation
- Flexible and easily upgradable
- Suitable for clinical and research diagnostics
- Widest range of software applications

EMG

- Spontaneous EMG
- Quantitative EMG
- AMUP Analysis
- Interference Pattern Analysis
- Single Fiber EMG
- Multi channel EMG in GPP program
- Macro EMG

NCS

- Motor nerve conduction
- Sensory nerve conduction
- F-Wave
- H-Reflex
- Decrement Test
- Blink Reflex
- Inching
- Sympathetic Skin Response
- Collision test
- MUNE
- Refractory period
- Tremor Analysis
- Triple stimulation

EP

- Auditory evoked potentials
- Somatosensory evoked potentials
- Visual evoked potentials
- P300
- Electro Oculography
- Electro Nystagmography
- Electroretinography

Additional software applications:

- Heart rate variability
- Electrocochleography
- Intra operative monitoring (IOM)
- Normative reference values
- MPP program
- MS Word® Report Generator
- ASSR
- ERP

