Surpass LT

- 2 or 4 channel amplifier
- 1 channel electrical stimulator
- 4 bipolar electrode inputs
- AEP,VEP, SEP stimulator built in headbox

Surpass

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

Surpass II

- 2, 4, 8, 12, 16, 20, 24 channel amplifier
- 2 channel electrical stimulator
- 16 bipolar electrode input switching option
- EP stimulators built in console

Surpass LT
Surpass
Surpass II

Multimodality EMG/EP/IOM Solutions in Neurodiagnostics

Expertise in Medical Solutions

With more than 30 years experience in Neurophysiology EMS continues to provide innovative technologies for Neurophysiology diagnostic examinations.
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 units for EMG/EP/IOM, EEG, ERP and Poly EMG we offer Electrical Impedance Segmentography units as well as a full range of accessories and supplies.
Choose EMS products and use our professional worldwide sales, service and support network. Our international team of trained application specialists will provide you with individual user training and post-sales support.

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EMS Biomedical

Multimodality EMG/EP/IOM Solutions in Neurodiagnostics

Surpass

THE WIDE RANGE OF 2-24 CHANNEL AMPLIFIERS IS DESIGNED TO DELIVER THE HIGHEST LEVELS OF PERFORMANCE AND SIGNAL QUALITY. CLINICAL FUNCTIONALITY IS BASED ON LONG TERM CLINICAL FEEDBACK AND PROVIDES FLEXIBLE WORKFLOW TO SATISFY ROUTINE AND ADVANCED CLINICAL NEEDS AND THE FLEXIBILITY ALSO ENABLES USE WITHIN RESEARCH ENVIRONMENTS. THE USE OF ADVANCED TECHNOLOGY ENSURES RELIABILITY, PERFORMANCE AND VALUE. SURPASS PRODUCTS INTEGRATE THE LATEST HARDWARE AMPLIFIER TECHNOLOGY WITH EXCELLENT PROGRAMMING AND SETS NEW STANDARDS IN THE FIELD OF ELECTROPHYSIOLOGY.

Surpass Product range Features:

- Desktop and portable solutions
- 2-24 channel amplifiers
- 1-2 channel electrical stimulators
- Quality sorted averaging method resulting in short examination time
- Touch panel control
- Customizable reports using MS Word®
- Internal amplifier switching option
- Voice stimulation
- Flexible and easily upgradable
- Suitable for clinical and research diagnostics
- Broad range of software applications

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 neuro-diagnostic 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.

IOM Kit

SURPASS LT PORTABLE

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
- Triple stimulation

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

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