

## STM 9000



- New ergonomic design
- New very easy user interface
- Wide range of Stimulation from single shot to 100Hz
- Many available coils
- Easy upgrade
- Two MEP channels

In the Neurophysiology market, there is a growing request for Magnetic Stimulation. In fact, in addition to the standard application to perform **MEP** (Motor Evoked Potentials) connected to an EMG system, there are new increasing applications:

- **rTMS** (repetitive Transcranial Magnetic Stimulation) as a safe, noninvasive treatment that can be effective in many patients with major depression and further Psychological disturbs.
- **fMS** (functional Magnetic Stimulation) as rehabilitation method to be used for different pathologies: Neuro-Muscular diseases, stroke, chronic obstructive pulmonary diseases...

For this reason, EBNeuro is glad to provide you a new and complete products line of powerful magnetic stimulator, available in different versions.

Devices developed on multiprocessor technology with programmable stimulation morphology.

Through the wide TFT display it is possible to check and to set up in an easy and intuitive way all the functions of the equipment.

Command console with dedicated function keys and knob for the setting of charge percentage and of display functions.

Manual, automatic, double stimulus and repetitive stimulation functioning. Visualization of all stimulation data on display such as set power, coil temperature, stimulus type, trigger type etc.

Stimulation frequency up to 100 Hz available in different versions.

Input and output trigger commands for EMG equipment connection.

Direct commands on COIL for energy increasing and stimulus activation, with visualization of the energy set. The equipment is available in different versions for clinical Neurophysiology, Neuropsychiatry, Research etc.

Optional PEM detection module at 2 channels connected to the USB port from the system.

## **TECHNICAL CHARACTERISTICS**

- Wide TFT 8,4" interactive color display, with indication of all the stimulation data.
- Command console with switch knob and 5 multifunction keys for the control of all the functions.
- Manual or repetitive charge modality programmable from display
- Monophasic, biphasic or sinusoidal morphology depending on the purchased model. (see table)
- Trigger IN/OUT with positive or negative selectable TTL level.
- Footswitch trigger input
- Max magnetic field: circular coil 2,4 Tesla, butterfly coil 3,2 Tesla
- Working temperature +10 / +30 °C
- Average life of the capacitor 250000 discharges.
- CE 93/42 EEC compliant.
- Power supply 230-115 VAC 50/60 Hz, 2300VA
- Dimensions 500x420x340 mm, 38 Kg.

## **Available Coils**

- Circular Coil 90mm
- Circular Coil 70mm
- Butterfly Coil 70mm
- Butterfly Placebo Coil 70mm
- Butterfly Air-cooled Coil
- Other Coils available upon request

## MODELS TABLE

Model	Biphasic	Monophasic	Sinus	Double stimulation	Frequency (Hz) ( @ 30% output)	EP Module 2ch
STM9000 Basic	√				10	√
STM9000 Standard	√				30	√
STM9000 Fast	√	√			50	√
STM9000 Fast -BI	√	√		√	50	√
STM9000 UltraFast	√	√	√		100	√
STM9000 UltraFast - BI	√	√	√	√	100	√