



Product Catalog

# Transcranial Magnetic Stimulation

Accessories

# PowerMAG Accessories



## EMG OPTION

The EMG device is a 2+1 channel wireless electrophysiological amplifier with 2 bipolar input channels and 1 trigger input channel. It has 24 bit sampling resolution, maximizing its measurement accuracy. This device delivers clean EMG signals that are completely free of mains interference and cable movement artifacts. It also filters the data by using a software that incorporates no hardware filters other than anti-aliasing, so the raw data is always available and quick recovery ensured.

The EMG device transmits its data directly to a PC or PDA via Bluetooth®, thus optimizing the user's mobility during the measurement. This device can be carried in a pouch on the subject's belt and is powered by 2 AA batteries.



## PC-INTERFACE

PC-Interface is the device to connect the PowerMAG stimulator device to a PC. While the variant PC-Interface x1 can only control one stimulator device, the other variant PC-Interface x4 has four channels, enabling to control up to 4 stimulators simultaneously (e.g. for paired coil TMS protocol). Its USB device driver provides an open programming interface which can also be used to run complex stimulation programs.

## PowerMAG CONTROL

PowerMAG Control software facilitates a quick and clear treatment setup. In addition to ready-made standard protocols for the depression or tinnitus treatment, custom protocols can be set up very easily using the intuitive user interface. Please note that the software is not a medical product.

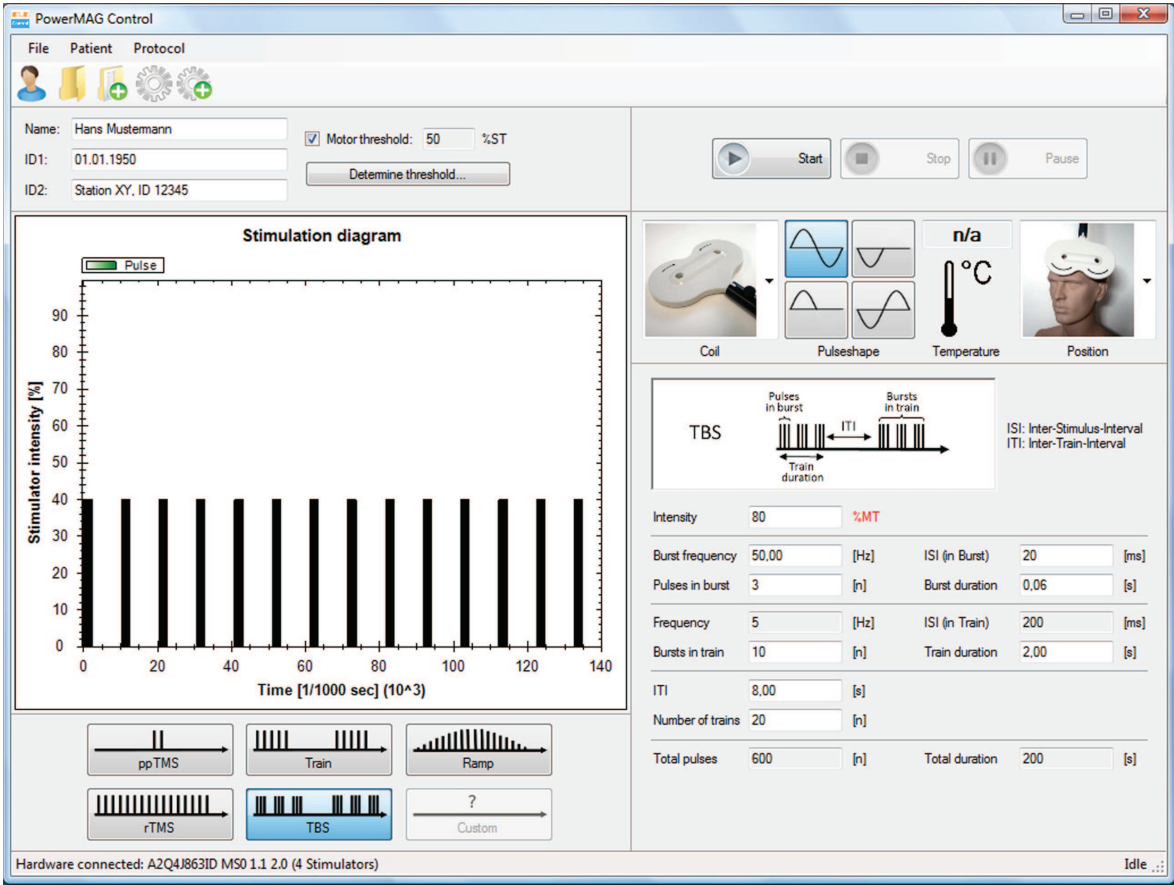
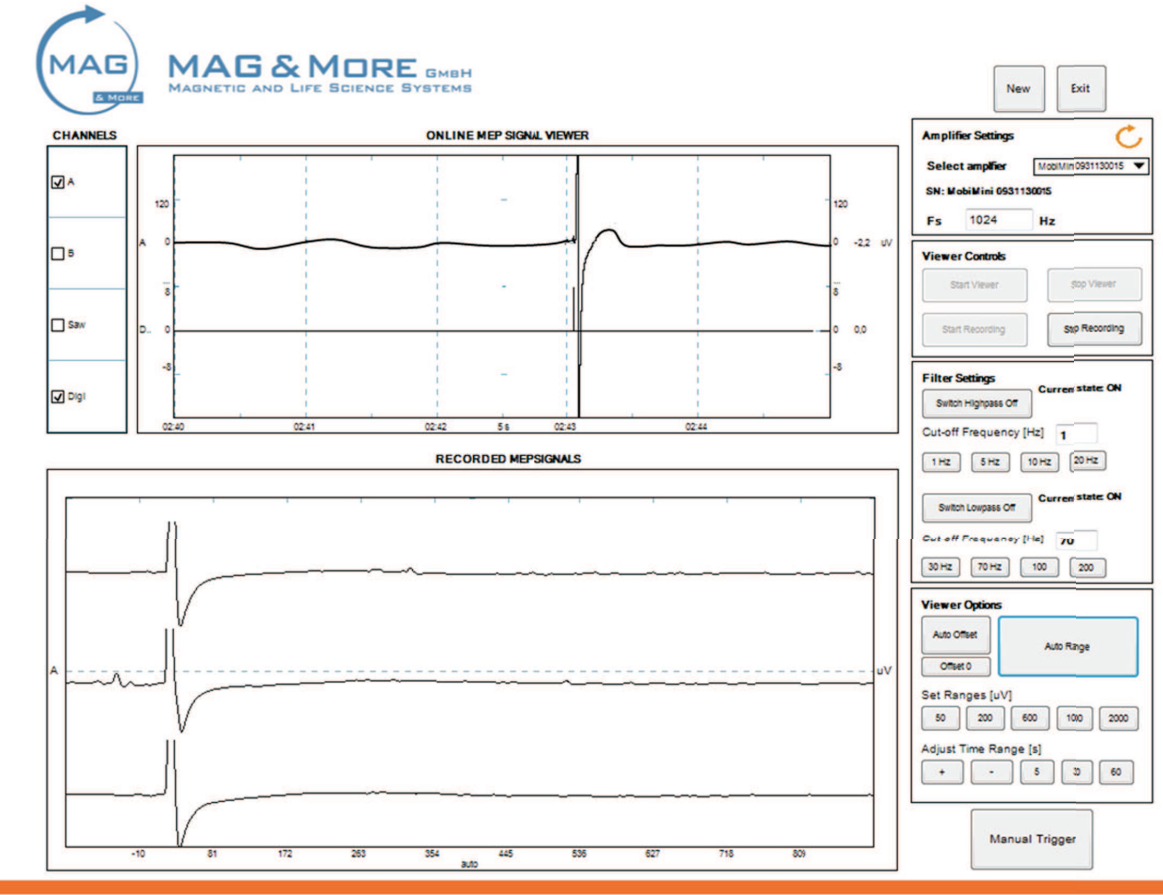
In this software, the following parameters are displayed or controlled:

### Display:

- Threshold value
- Treatment progress
- Type of coil
- Coil temperature
- percentage of the individual motor threshold

### Control:

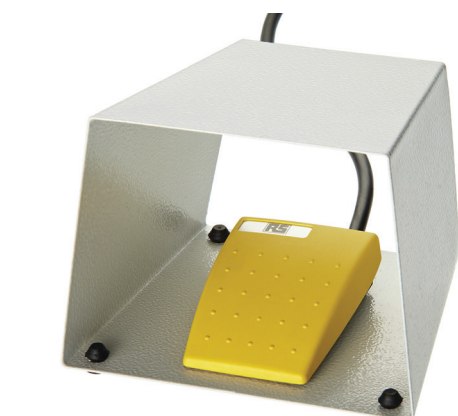
- Pulse intensity
- Frequency or duration of pulse
- Pulse shape
- Pulse polarity
- Pulse sequences





### CONTROL SPLITTER BOX

This box enables the PC-Interface and hence the stimulator device to be accessed with much more freedom. It can be connected with the Pc-Interface cable on the PC side. All the parameters from PC-Interface can then be controlled and monitored externally, even without PC.



### FOOT SWITCH

The PowerMAG stimulator device can be operated by an external triggering device for convenience pulse emitting under many different conditions. This foot switch enables the user to deliver stimulation pulses just by operating the pedal. A special protection around the pedal reduces the risk of unintended pulse triggering.



### HAND SWITCH

Having the same function as the foot switch, this switch can trigger the pulse externally. It is designed to be operated comfortably with hands.



### POWERUNIT

The PowerUNIT is designed to be used as voltage and isolating transformer for various voltage supplies. It ensures an adequate voltage supply to the PowerMAG stimulator device and also reduces the earth leakage current. It can be obtained a 50/60 Hz 100 V mains supply as well as a 60 Hz 110 V, 120 V, 127 V, 220V mains supply.



### TMS FIELD PROBE

TMS field probe provides information on the pulse from the stimulation coil, such as field gradient. This makes it possible for the user to estimate the suitability of each coil in specific applications.



### COIL POSITIONING ARM

The coil positioning arm with just one locking screw enables the single-handed operation. It can be installed on the trolley, the treatment chair or any other round or rectangle profiles.



### 10-20-EEG CAPS

The EEG cap printed with the 10-20-system is a simple tool for positioning the treatment coil in clinical applications. It is available in various sizes.



### VACUUM CUSHION

This ergonomic and non-slip cushion supports the patient's head, stabilizing the head during stimulation and also reducing the fatigue of the patient in treatment sessions. It is equipped with a simple one-hand-valve.



### VACUUM PUMP

The vacuum pump compresses the vacuum cushion. It is made from plastic and therefore very light.





### RTMS TROLLEY

This stable trolley is designed specifically for the PowerMAG TMS system. Four large twin-swivel castors provide a high level of mobility and smooth-running ride characteristics. It is also equipped with an integrated coil holder.



### TREATMENT CHAIR

Considering the comfort of the patient as the main focus, this treatment chair can be adjusted mechanically from the sitting position to the horizontal position. It has a thick cushioning covered with high-quality artificial leather, a removable head cushion and arm rests.



### RTMS TROLLEY COIL HOLDER

When the stimulation coil is not used, it can be placed beside the rTMS trolley. For this purpose, a special coil holder is designed to be mounted on the rTMS trolley.



### TRANSPORT BOX

The lightweight and re-usable transport box is made from aluminium and is able to significantly reduce the risk of stimulator device damage while transporting.



### COIL ARM SUPPORT BAR

This support bar is supplementary to the coil positioning arm, increasing the placement freedom of the positioning arm. It can be easily mounted on the treatment chair or the rTMS trolley.



Your specialist for magnetic neurostimulation  
and 3D neuronavigation

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