



Intraoperative Neuromonitoring
Functional Neurosurgery
Pain Treatment
Neurological Diagnostics

ISIS Neurostimulator

>> APPLICATION FIELDS

Direct neural, cortical, muscular, transcutaneous and transcranial electrical stimulation in neurosurgery, epilepsy surgery, general and visceral surgery, as well as ENT medicine



> Versatile applications – best performance

Highest flexibility for efficient intraoperative neuromonitoring

The ISIS Neurostimulator is a multifunctional **constant current stimulator**, which has especially been developed for intraoperative neuromonitoring. It is used for monitoring, documentation and functional control of motoric nerves, brain areas and muscles during electrophysiological applications. It is an additional aid for surgical interventions and diagnostic purposes.

Easy and safe handling – combinable for further applications

The ISIS Neurostimulator can both be used with a special software as an **exclusive stand-alone device** and as a **part of the ISIS IOM system** for multimodal neuromonitoring, which is controlled by the software NeuroExplorer.

The 12 channels for high-power stimulation (max. 250 mA) and the channel for direct nerve stimulation (max 25 mA) allow the **simultaneous use of different neurophysiological measurement procedures**.

The adapters for stimulation are also easy and safe to handle thanks to color-coding and clear labelling. Electrodes and probes can be easily connected to the system.

>> Features

- >> Constant current stimulator with 12+1 outputs for direct neural, cortical, muscular, transcutaneous and transcranial electrical stimulation
- >> Stimulation current of 0.01 mA to 250 mA can be set at individually definable levels
- >> Impedance measurement and current flow control indicator
- >> Each stimulation channel can be used flexibly for all measurement types and freely selected.
- >> Programming of unlimited number of stimulation programs
- >> Patient documentation database



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ISIS Neurostimulator Complete System
with ISIS Neurostimulator Software, notebook incl. medical power supply, connection cable and stimulation adaptor 540501



- >> Partnership
- >> Precision
- >> Innovation



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