

## **The inomed ISIS IOM System: Flexibility & High performance for the most demanding intraoperative Neuromonitoring requirement**

Medica 2012 Düsseldorf : inomed Medizintechnik GmbH presents the next generation of the ISIS intraoperative neurophysiological monitoring (IOM) System. The ISIS IOM System redesign incorporates a modular concept which consists of USB modules comprising amplifiers/headboxes and multi-channel stimulators. The Modular concept allows the user to build a system to meet his needs.

The ISIS IOM System is designed to meet the demanding requirements of the OR enabling clinicians to monitor a wide range of neurological structures during surgical intervention of the brain or spine. The system has been developed in consultation with leading clinical specialists from around the world in the field of neurological monitoring. The modular design enables users to build the system according to their needs but with the flexibility to upgrade and enhance capability easily in the future. Another module can be just added as needed. The upgrade is a simple plug and play process. The software design lends itself well to automation and whereas the system benefits from powerful analysis and recording parameters and capabilities, the system can be operated from power up with just 3 mouse clicks.

The ISIS USB Headboxes are designed to maximize use of space and can be clicked into position on the system cart in the order that best suites a particular application or procedure. Each ISIS Headbox consists of 8 input channels and when used in conjunction with a computer forms a complete system for recording electrophysiological signals. If an auditory stimulus output is required it can also be integrated into the Headbox unit allowing for a comprehensive AEP stimulation and recording capability. The proximity of the Headbox to the patient recordings site means signal digitization takes place at a point close to the patient where artifacts can be minimized . Patient signals are digitized in the Headbox and are interfaced to the computer with a USB interface.

### **NEW: ISIS Neurostimulator\***

The ISIS Neurostimulator has been developed for universal applications. The module was designed in the same form factor as the ISIS Headboxes to provide the same configuration and implementation capabilities. This constant current stimulator consists of a 1 channel direct nerve stimulator from 0.01 to 25mA and a 12 channel high current stimulator from 0.2 to 250mA. This allows a wide range of applications in neurosurgery, general and vascular surgery, ENT surgery, spinesurgery and orthopaedics.

\* In registration process.

### **New: High Resolution Display Monitor**

The new design ISIS Monitor is available in two versions. The standard version comprises a high resolution wide screen display that enables users to see multiple user configurable windows displaying patient signal. The multi-touch version allows touch-screen operation and user configurable hotkeys. The monitor is mounted on a height adjustable mounting bracket that can be tilted and turned to suit user needs.

The new system design is completed with the new style system cart incorporating a PC and an additional drawer for supplies consumables and accessories .

### **Portable Version**

The ISIS IOM System can also be ordered as a mobile and space saving version. The ISIS IOM portable consists of a roller-suitcase style enclosure, laptop and the new ISIS Neurostimulator and ISIS Headboxes. This form factor is ideal where portability is critical or where space in the OR is at a premium.

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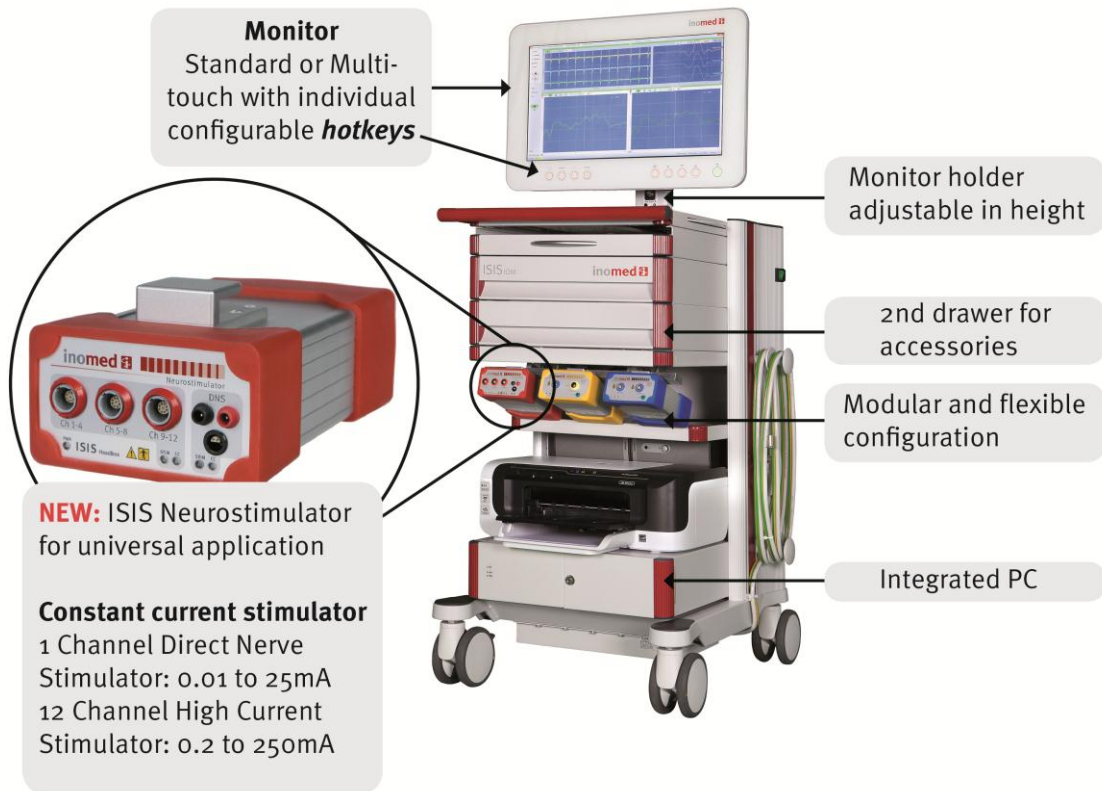
inomed at Medica 2012 from 14th to 17th November at booth 73 hall 9B.

Further information: [www.inomed.com](http://www.inomed.com)

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*The inomed ISIS IOM System – Best in class for monitoring nerve and neurological uncton during critical surgical interventions – includes cranial and spinal surgeries.*



*The ISIS IOM portable consists of a suitcase, a laptop, the new ISIS Neurostimulator and ISIS Headboxes. This configuration is especially suitable for portable applications or where space in the OR is limited.*