



## Assurance, Versatility, Protection

Intraoperative monitoring has emerged as the gold standard for patients undergoing spinal or neurosurgery procedures. Surgeons, the surgical team and hospital administrators all recognize the need for high quality monitoring. The Xltek® Protektor32 IOM System is designed to provide extremely high quality data under the harshest conditions.

### Versatility

- 64 input (32 channel) multimodality monitoring
- User-selectable electrode switching
- SEP, MEP, TcMEP, BAEP, VEP, EMG and EEG
- 16 high level, 2 low level programmable electrical stimulation outputs
- Click & tone-based auditory stimulation
- Bright LED goggle flash stimulation
- Flexible, programmable TCeMEP stimulation (1000V, 1500mA)
- Trigger in, trigger out connections for external devices
- Automatic ESU detection mutes audio & protects averages
- Laptop & cart-based configurations

### Reliability

Every Xltek product is the result of an unyielding commitment to quality. Protektor's high performance and durability are a testament to the many talented engineers, neurophysiologists and technologists that contributed to its design and continuous improvement.

### Performance

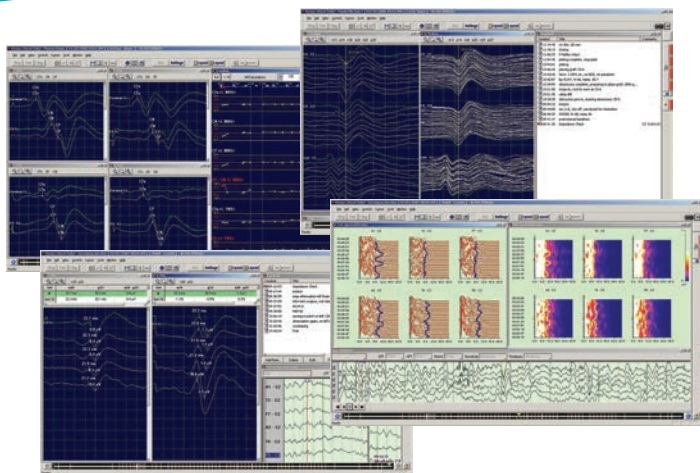
**Multi-tasking monitoring** software ensures uninterrupted monitoring throughout the entire surgery. Changes in system settings, data views, measurements and calculations will not interfere with vital data acquisition.

**Unique system architecture** is the result of carefully listening to our customers. Protektor was designed from the ground up to provide information necessary for immediate and critical surgical decisions.

**Intuitive user interface** design makes Protektor easy to use and reduces confusion in stressful situations.

**Configurable display options** permit on-the-fly designation of baseline waveforms, selection of stacked, super-imposed and historical presentations. All measured values are displayed in simple, easy-to-read tables.

**Data trending** for EP and EEG permits rapid assessment of changes. Trend data may be displayed in graphical and numeric formats.



**CSA, DSA, QDSA and Spectral Edge** presentations of EEG provide powerful views of cerebral function.

**Configurable stimulus interleaving** for multiple stimulators with repetitive, single and train modes.

**Annotation tools** permit comprehensive case documentation. Easily note surgical stages, important events, communications with the surgical team, etc.

**Nerve Integrity Monitoring Mode** permits surgeons or monitoring staff to identify neural structures and confirm efferent nerve function. Selectable chimes automatically indicate detected activity on up to 8 individual EMG channels. Selectable stimulator contact chimes confirm proper contact of stimulation probes before stimulus delivery. Stimulus delivery chimes indicate stimulator activity.

**Remote monitoring** of multiple surgical cases from a single PC on any network or Internet connected location. Fully featured chat function permits discrete, rapid communications between monitoring and remote monitoring stations.



## An IOM System with All the Right Connections

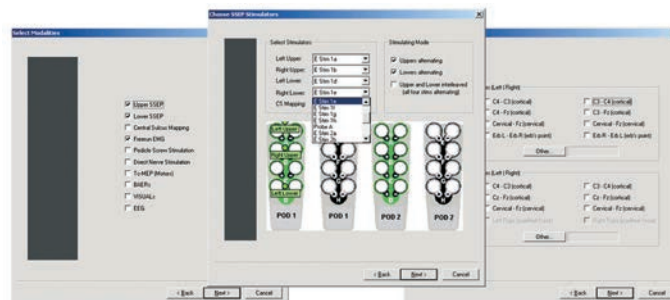
Color-coded inputs provide organization and instant identification of all recording electrodes. Detachable acquisition pods extend the amplifier inputs to multiple areas of the patient/table while maintaining excellent signal quality.



Protektor's 16 high-level electrical stimulator outputs are also easily delivered to the patient/table directly through detachable Stim Pods.

## Simple Setup with Test Wizard

Protektor's built-in Test Wizard will guide you in creating a recording protocol for even the most complex monitoring needs. Tell the wizard what you want to monitor and your stimulation needs. It creates display panels, sets up stimulators, and arranges the presentation of critical measurements and calculations.



## Service

Natus Neurology is committed to providing exemplary service to our customers. Our dedicated and experienced Customer Service Team will assist with every aspect of an order. To support our products, we provide factory-trained Field Technicians and Clinical Application Specialists for onsite support. Additionally, we provide an in-house Technical Support Team, staffed with experts, and a strong distribution network in International Markets to offer a wide range of service options. Allowing our customers more time to care for their patients is our goal. Customer loyalty is our reward.



## Supplies

Natus Neurology offers a full range of neurodiagnostic accessories and supplies promoting patient comfort. Our dedicated customer service team provides a streamlined order and shipping process to save you time and money.

To learn more about Natus Neurology Service Programs or our full line of Supplies and Accessories, contact your local distributor or sales representative.

US Customers Call: **1-800-356-0007**



### Natus Neurology Incorporated

3150 Pleasant View Road  
Middleton, WI 53562 USA  
Tel: 1-800-356-0007  
1-608-829-8500  
Fax: 1-608-829-8709  
[www.natus.com](http://www.natus.com)

### Natus Medical Incorporated

Excel-Tech Ltd. (XLTEK)  
2568 Bristol Circle, Oakville  
ON L6H 5S1 CANADA  
1-800-303-0306  
1-905-829-5300

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