

xitek  
Protektor **IOM**

*Excellence in  
Neurophysiology*

**natus**  
neurology

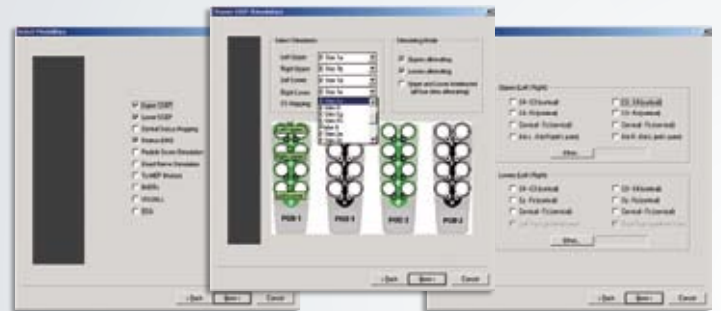


## VERSATILITY – PERFORMANCE – RELIABILITY

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

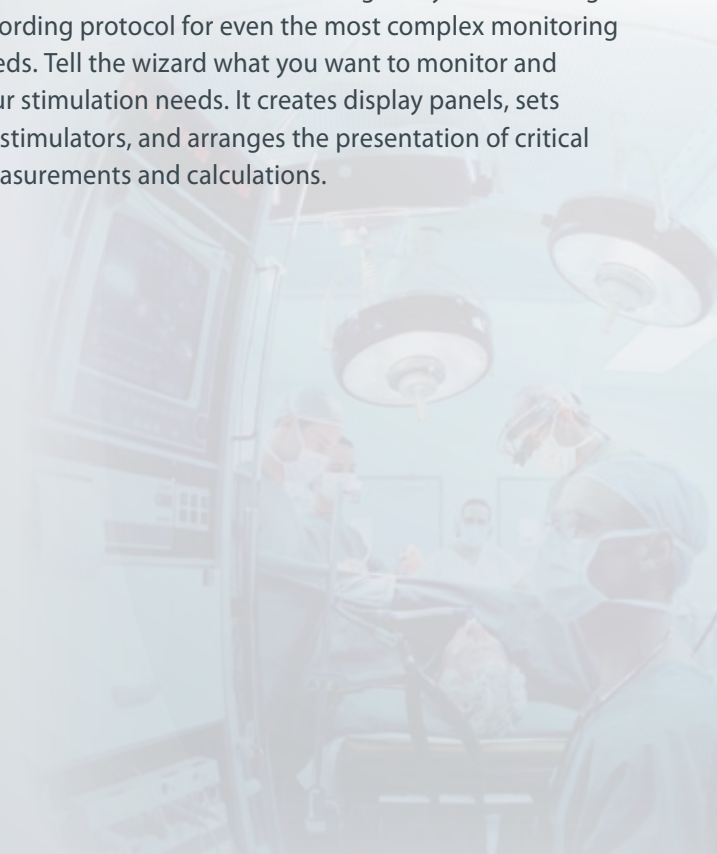
### Versatility

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



### 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.



## An IOM System with All the Right Connections



Color-coded amplifier inputs provide organization & instant identification of all recording electrodes. Detachable acquisition pods can be used to extend the color-coded 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 from the stimulators or through detachable Stim Pods.

## 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.

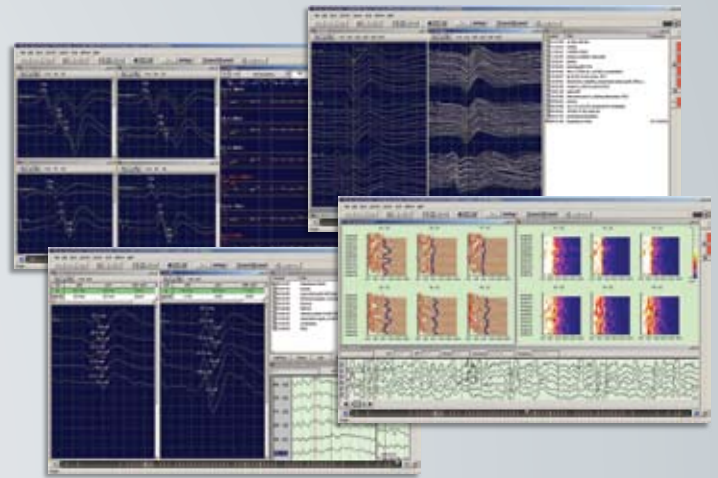
**Unique system architecture** is the result of carefully listening to our customers. Protektor was designed from the ground up to provide information necessary for immediate and critical surgical decisions.

**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. Video from surgical cameras can be viewed in its own resizable window. 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.

**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.

## 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.

## A Total Service Solution

Natus systems are backed by a comprehensive & extendable warranty. Our support team is available around-the-clock. Our technical staff provides phone and remote PC support, while our nationwide network of service engineers can be dispatched quickly when required.



Natus Medical Incorporated  
1501 Industrial Road  
San Carlos, CA 94070 USA  
Toll-free 800.303.0306  
P +1 650.802.0400  
F +1 650.802.0401  
[www.natus.com](http://www.natus.com)



Excel-Tech Ltd, a division of Natus  
Corporate Headquarters  
2568 Bristol Circle  
Oakville, ON L6H 5S1  
Canada  
Toll-free +1 800.387.7516  
P +1 905.829.5300  
F +1 905.829.5304

P/N 104720B-A4

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*neurology*

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