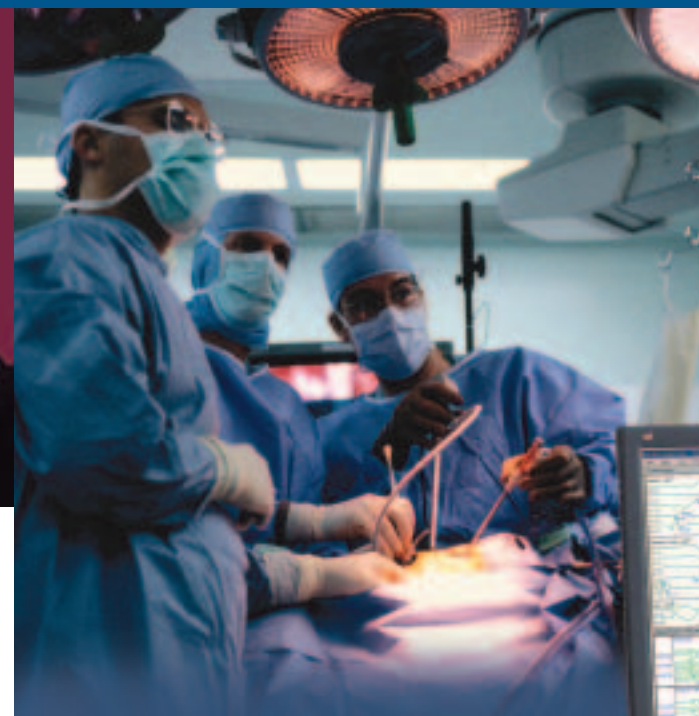


Axon Systems is your one stop source for neurological monitoring systems and supplies



eclipse

NEUROLOGICAL WORKSTATION

Every step of the way...

Meeting your needs is the cornerstone of our customer service policy. From selection of equipment, through on-site installation and individualized training, our sales representatives will assure your complete satisfaction.

As specialists in neurological monitoring solutions, Axon Systems can provide you with a number of options and specialized accessories to suit your individual needs. Ask your sales representative about systems options and for a copy of our accessories catalog.

Technical assistance is available by telephone hotline or modem as well as from our field representatives and international dealer network.

Our experienced team of solutions-oriented customer support personnel will help you with your applications requirements, and our technical service force will be on call to assist you.

Axon Systems will be with you **every step of the way.**

Call toll-free at (800) 888-AXON (2966) to learn how the Eclipse Neurological Workstation will enhance your monitoring picture.

Axon System's products are available worldwide through an international network of dealers and distributors.

AXON
SYSTEMS

400-2200 Oser Ave. Hauppauge, NY 11788
toll free: 800.888.AXON (2966) voice: 631.436.5112 fax: 631.436.5141
www.axonsystems.com

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patrolling
the waves



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SYSTEMS

Implementing Your Requests

Designed with input from neuromonitoring professionals, the Eclipse Neurological workstation includes the latest advances in monitoring hardware and software to provide the highest level of performance, flexibility and dependability.

- Up to 32 channel multimodality monitoring
- Fast and slow charge TCeMEP stimulation
- Double train MEP stimulation mode
- Built-in pulse oximeter
- Display and trend imported vital signs
- Dual synchronized video recording and playback
- Multiple site remote monitoring
- Portable and fixed location platforms

Unique Features For Demanding Applications

NIOM - 32 channel simultaneous EEG, EP and EMG monitoring.

Pedicle Screw Integrity - Automatic pedicle screw integrity monitoring. Direct nerve and screw stimulation. Free-run and triggered EMG with train of four monitoring.

Cranial Nerve Surgery - Audible EMG, multi-tone nerve identification and simultaneous BAEP. Automatic audio muting during electrocautery.

Deep Brain Recording - Four channel deep brain recording and spike analysis.

NICU - Raw and processed EEG, trending and scheduled evoked potential testing. Recall saved data and video automatically by event.



Dependable Performance

Uninterrupted Monitoring - Change trace parameters independently, on-the-fly with no loss of data.

Multiple Processors - Multiple digital signal processors speed response time without slowing display.

Fast Interface - Reliable USB 2.0 interface for high data transfer rate and plug and play connectivity.

Resume Operation - Quickly resume monitoring and restore settings after power failure with no data loss.

Easy to Use - Point and click, graphical user interface with notebook style controls. Standard test protocols are provided and can be modified and saved by user.



Information Integration

Neurological Data - Trace, Stack, Spectral, Numeric and Trend Windows provide the data you need.

Imported Vital Signs - Display vital signs and other physiological measurements from a wide range of instruments.

Synchronized Video - Record and playback dual microscope and camera video synchronized to neurological data.

Current Value Window - Display key measurements in a large, easy to read format.

Smart Monitoring

All EP modalities - SEP, BAEP, AEP, VEP and TCeMEP with versatile stimulation and triggering modes.

Processed EEG - Paper scrolling raw and quantified EEG. Color density spectral array, spectral edge frequency, burst suppression, alpha variability, power, amplitude and asymmetry.

Pulse Oximeter - Built in pulse oximeter provides measures of oxygen saturation and pulse rate.

Trending - Trend EP, EEG, pulse oximeter or imported physiological measures with event alarm.

Markers - Automatic EP trace markers display absolute or relative to baseline latency and amplitude. Interpeak markers and measurement of area-under-the-curve.

Integrated View - Correlate physiological measurements and video views with neurological responses.

Confusion-free Display - Display waveforms grouped by modality to enhance readability and formatted to your requirements.



Advanced Stimulation Modes

TCeMEP - Built-in slow and fast charge (1000V, 1Amp) constant voltage TCeMEP stimulators.

Double Train - Double train TCeMEP stimulation improves response amplitude.

Electrical - Two electrical stimulator extenders with 16 constant current/voltage high level outputs and one low level, direct nerve output. On screen readout of measured current.

Auditory - Insert earphones provide a calibrated source of click or tone stimulation.

Visual - High intensity LED goggles provide a bright flash for VEP monitoring.

Stimulus Interleaving - Interleave up to 16 stimuli using repetitive, non-repetitive, single, pair and train stimulation.

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NEUROLOGICAL WORKSTATION

Record Keeping And Review

Simultaneous monitoring and review - Review, save or print reports while monitoring. Save data automatically or by event.

Data Review - Playback data and video as it was recorded. Review by comment, time or event.

Detailed Reports - Hardcopy, PDF, HL-7 and HTML reports contain all necessary test information and user comments. Fax or email reports. Import data into word processing programs.

Archiving - Seamless copying to and playback from network, CD or DVD.

Export Data - Export data in ASCII format to database or spreadsheet applications.

Remote Monitoring

Connectivity - Modem, LAN and Internet VPN remote data review.

Remote Control - View and remotely control the monitoring site. Two way audio chat and text messaging.

Multiple Site - Multiple site monitoring and review. Review test data in real time on any Windows XP based PC.

Remote Reports - Reformat data and print reports from remote site.

