

## TREMOR MONITOR™

*Accurately records and reports short and long tremor events*



### PRODUCT OVERVIEW

The Tremor Monitor™ System provides the ability to record, review, analyze and report rapid repetitive movements in rats and mice. Tremor Monitor takes full advantage of the Windows® operating system with data organization and management software that combines power and flexibility with ease of use. Tremor Monitor provides the ability to configure multiple test stations, allowing rapid testing of a large number of subjects. Tremor Monitor accurately differentiates tremor events from ambulatory/stereotyped movements. The user can define long and short tremor events. Tremor Monitor utilizes an ultra sensitive movement sensor to record continuous movement waveforms at 128Hz for up to 30 minutes. The user can review the results in adjustable interval lengths, with selectable bandpass filters ranging from 4 to 64 Hz.

### COMPLETE REPORTING

The Tremor Monitor comes with a comprehensive set of reports for all applications including both continuous and episodic tremor.

**FFT Power Spectrum**– a power analysis in user-selected time segments.

**Process Entire Session**– averages FFT from each second in the record and reports percentage power for each frequency.

### Features & Benefits

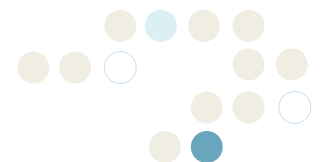
- Short and long term tremor event measurement
- Records continuous movement waveform at 128Hz for 30 minutes and more
- Complete movement record can be reviewed in adjustable intervals with selectable bandpass filters from 4 to 64Hz
- Easy to use, intuitive, menu-based software
- Display, print and export test results in graphic and numeric format

**Export FFT**– exports Power Spectrum to a comma separated value file.

**Filtered Increments**– the user selects the time segment and frequency band for power display and defines limits for counts of 'long' and 'short' tremor events.

### TREMOR MONITOR COMPONENTS

- Sound Attenuating Cabinet
- Animal Enclosure
- Control Box
- Software
- User Manual
- Software Utilities for Data Analysis
- Motion Sensor
- All cables and connectors



## TREMOR MONITOR SPECIFICATIONS

<b>Dimensions</b>	ABS Isolation Cabinet: 15" (W) x 14" (D) x 18" (H) Control Box: 16" (W) x 14" (D) x 5 ¾" (H) Animal Enclosure: 8" (L) x 3½" (ID)
<b>Weight</b>	24 lbs. (Isolation Cabinet) 6 lbs. (Control Box)
<b>Material Composition</b>	Isolation Cabinet: ABS plastic , Electronics Box: Aluminum, Animal Enclosure: Acrylic
<b>Maximum # Stations</b>	8 stations per PC (Maximum recording time is 34 minutes)
<b>Standard Cable Length</b>	8 ft.
<b>Certifications</b>	CE
<b>Color Options</b>	White

## TREMOR MONITOR COMPUTER REQUIREMENTS

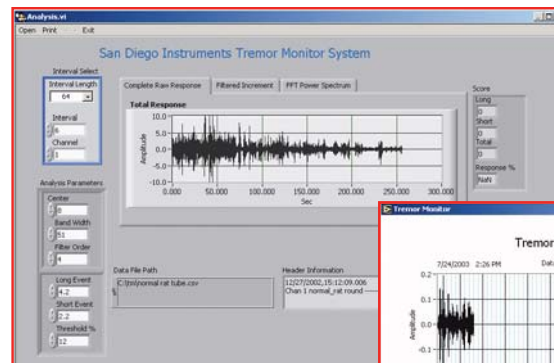
Windows XP/Windows 7 compatible computer system with available PCI slot. Minimum disk and memory sizes specified to support Windows XP/Windows 7 are acceptable.

## SDI CONFIGURED COMPUTERS

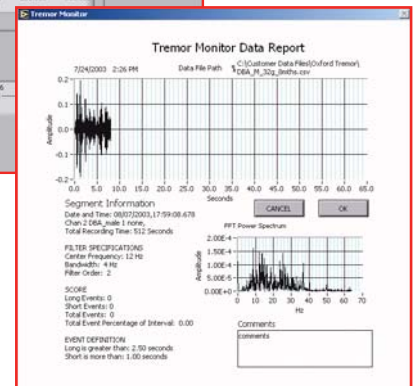
SDI offers high performance Cobalt™ Configured Computers that are pre-installed with the Windows® operating system and applicable SDI software. If required, SDI will pre-install PC Interface cards and all relevant drivers. Each computer is fully tested with your system prior to shipment. When your SDI system arrives, all you have to do is unpack it, attach the cables and begin testing.

## FOR MORE INFORMATION

To learn more about SDI behavioral testing systems, please visit [www.sandiegoinstruments.com](http://www.sandiegoinstruments.com). If you have any questions or would like to request a quote please call (858) 530-2600 or email us at [sales@sandiegoinstruments.com](mailto:sales@sandiegoinstruments.com).



Tremor Monitor Analysis Screen



Tremor Monitor Data Report



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