



Tremor Monitor System

TREMOR MONITOR COMPONENTS

Sound Attenuating Cabinet
Animal Enclosure
Control Box
Software
All Cables and Connectors

COMPREHENSIVE REPORTING

Software includes FFT Power Spectrum, filtered Increments, and Percent Energy reporting

PART NUMBERS

- 2325-0424
Tremor Monitor System
- 2325-0425
Tremor Monitor
Additional Test Station
- 2325-0287
Tremor Standardization
Unit



PRODUCT OVERVIEW

Tremor Monitor provides the ability to record, review, analyze and report rapid repetitive movements in rats and mice. 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. Tremor Monitor utilizes an ultra-sensitive movement sensor to record continuous movement waveforms at up to 128 Hz for up to approximately 68 minutes. The user can review the results in adjustable interval lengths. All results from all subjects in a study are stored in a single database file in table format.

FEATURES & BENEFITS

- **Fast Fourier Transform (FFT) reporting of tremor frequencies**
- **Records continuous movement waveform at 128 Hz for up to ~68 minutes**
- **Long and short tremor events (user defined)**
- **Data can be exported into time bins ranging from 2⁰-2⁹ (1-512) seconds**
- **Two TTL output channels**
- **Complete movement record can be reviewed in adjustable intervals**
- **Display, print and export test results in graphic and numeric format**

ANIMAL ENCLOSURE OPTIONS

The Tremor Monitor includes two specialized animal enclosures: a large box shaped enclosure designed for rats and a ultra-sensitive enclosure specifically for mice. Depending on your experimental requirements and the characteristics of the tremor to observe, the large box enclosure can also accommodate mice for free-moving tremor analysis. This enclosure provides sufficient space for natural rodent locomotion while maintaining the sensitivity required for accurate data collection.



Power. Flexibility. Ease of Use.

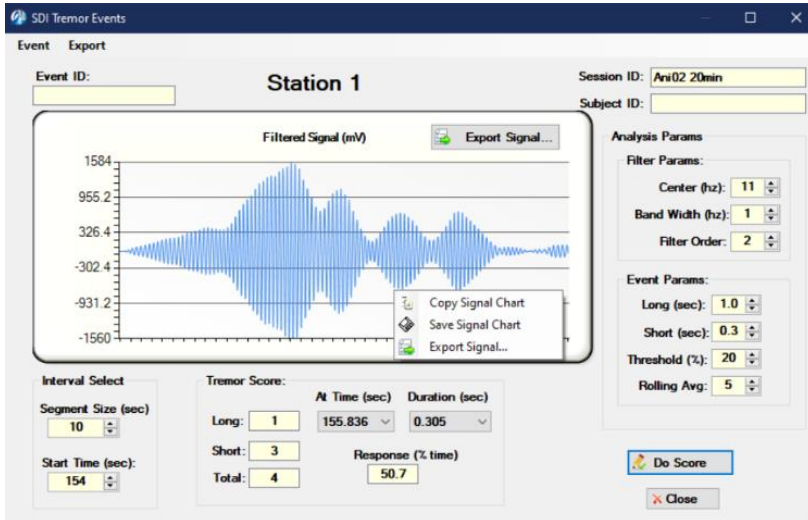
Tremor Software Features

TREMOR SOFTWARE

The Tremor Monitor software uses Fast Fourier Transform for reporting tremor frequencies. Tremor Software allows the user to define long and short tremor events. When data has been collected, the user can export data into time bins ranging from 1-512 seconds for detail analysis of tremor.

LONG AND SHORT TREMORS

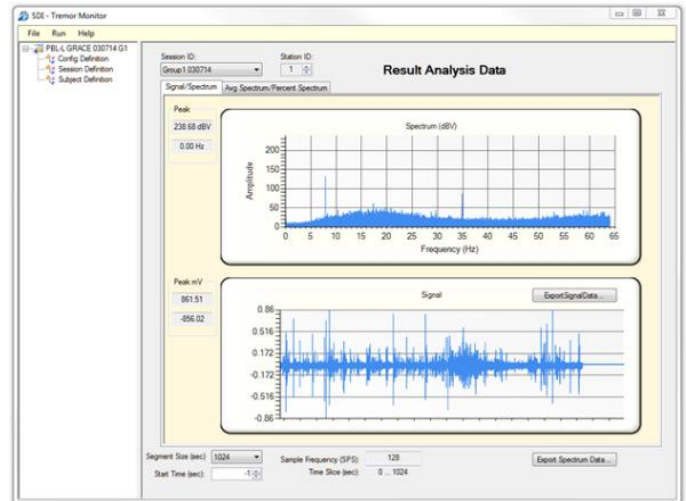
The Tremor software enables users to define precise Tremor Event Parameters within the Configuration settings. This feature allows you to establish distinct durations for Long Events and Short Events, measured in second. By setting these parameters in advance, researchers can standardize event classification across experiments, ensuring consistency and compliance.



ANALYSIS AND EXPORT

The Data Analysis Screen can be reached by the main menu selection of Run>Analysis. All sessions that have completed running their trials can be viewed in the analysis window by selecting the Session ID from the dropdown box and selecting the specific station.

When Start Time (sec) is -1 the full waveform of the tremor response is shown in the lower signal graph display. The horizontal axis of the graph auto scales to the number of Record Samples contained in the session Definition. The vertical axis represents the gain. The waveform is automatically scaled to the peak voltage recorded for the specified segment. The upper graph contains the FFT Spectrum (dBV).



OFFICE MODE

Tremor software provides the freedom to install on any laptop and still work when away from the equipment. Office mode opens certain areas of the software-Session Definition, Subject Definition and Run Analysis, to allow you the ability to review results from the comfort of your office.

TREMOR MONITOR SPECIFICATIONS

COMPUTER REQUIREMENTS

SDI offers high performance Configure Computers that are pre-installed with the Windows operating system, USB Drivers and applicable SDI software. Windows 10 compatible computer systems with one USB port.

ONSITE TRAINING

SDI offers on site training to ensure understanding of how to operate the Tremor System.

For more information on any of our products or services please visit us on the Web at:

www.sandiegoinstruments.com

or contact us via email at

sales@sandiegoinstruments.com

Tremor Control Box	
Outside Dimensions	10.25" (W) x 10" (D) x 4.5" (H)
Weight	3 lbs
Maximum Stations	8
Out Put Connectors	2 Digital BNC Connector
Tremor ABS Cabinet	
Outside Dimension	15" (W) x 14" (D) x 15" (H)
Weight	24 lbs
Material Composition	ABS Plastic
Enclosure	
Mouse Animal Enclosure	5" (L) x 1.5" (I.D)
Rat Animal Enclosure	7" (L) x 4" (W) x 4" (H)
Material	Acrylic
Stations	
Maximum Stations	8
Connects	USB
Certifications	
Certifications	CE
Frequency Range	Up to 128 Hz

SERVICES AVAILABLE

Technical Support
Installation and Setup
Maintenance
Application Support
Hardware Support
Guaranteed Warranty


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