

TREMOR MONITOR™



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 128Hz for up to approximately 34 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.

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

Features & Benefits

- » FFT reporting of tremor frequencies
- » Records continuous movement waveform at 128Hz for up to ~34 minutes
- » 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
- » Maximum 8 stations

Samples contained in the Session Definition. The vertical axis represents the amplitude of the response in volts. The waveform is automatically scaled to the peak voltage recorded for the specified segment. The upper graph contains the FFT Spectrum(dBV) for the lower graph.

TREMOR MONITOR COMPONENTS

- › Sound Attenuating Cabinet (SR-LAB cabinet is used)
- › Animal Enclosure
- › Control Box
- › Software
- › User Manual
- › Software Utilities for Data Analysis
- › Motion Sensor
- › All cables and connectors

TREMOR MONITOR SPECIFICATIONS

Dimensions	ABS Isolation Cabinet: 15" (W) x 14" (D) x 18" (H) Control Box: 10.25" (W) x 9.875" (D) x 4.5" (H) Animal Enclosure: 7.3" (L) x 3.875" (H) Thin Wall		
Weight	Isolation Cabinet: 24 lbs.	Control Box: 3 lbs.	
Material Composition	Isolation Cabinet: ABS plastic	Electronics Box: Plastic	Animal Enclosure: Acrylic
Maximum # Stations	8 (Maximum recording time is approximately 34 minutes)		
Standard Cable Length	8 ft.		
Certifications	CE		
Color Options	White		

TREMOR MONITOR COMPUTER REQUIREMENTS

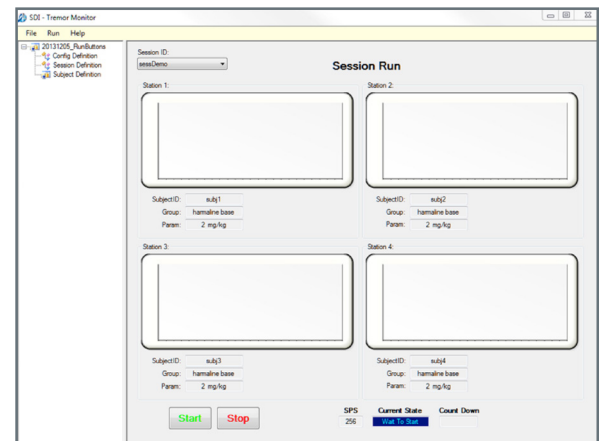
Windows 7/Windows 10 compatible computer systems with one USB port. Minimum disk and memory sizes specified to support Windows 7/Windows 10 are acceptable.

SDI CONFIGURED COMPUTERS

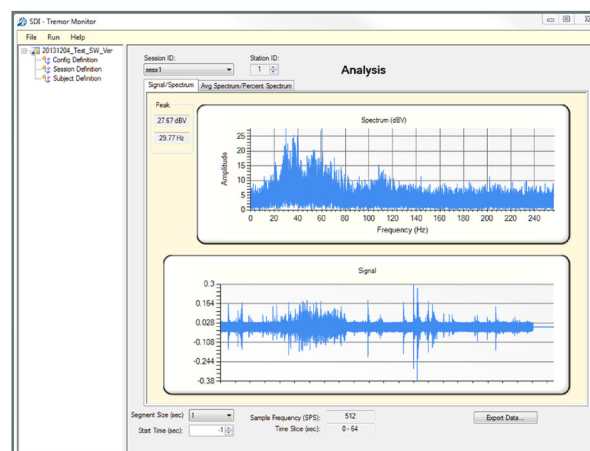
SDI offers high performance Configured Computers that are pre-installed with the Windows® operating system, USB Drivers and applicable SDI software. Each computer is fully tested with your system prior to shipment. When your SDI system arrives, all you have to do is unpack it, attach the cables and begin testing.

FOR MORE INFORMATION

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



Session Run Screen



Scored data and/or the full waveform data points can be exported. Be aware that this can take some time if exporting the wave form data.



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