

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 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 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 SessionID 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 30 minutes and more
- » Complete movement record can be reviewed in adjustable intervals
- » Easy to use, intuitive, menu-based software
- » Display, print and export test results in graphic and numeric format

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
- › 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: 16" (W) x 14" (D) x 5 3/4" (H) Animal Enclosure: 8" (L) x 3 1/2" (ID) 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 stations per PC (Maximum recording time is 34 minutes) | | |
| Standard Cable Length | 8 ft. | | |
| Certifications | CE | | |
| Color Options | White | | |

TREMOR MONITOR COMPUTER REQUIREMENTS

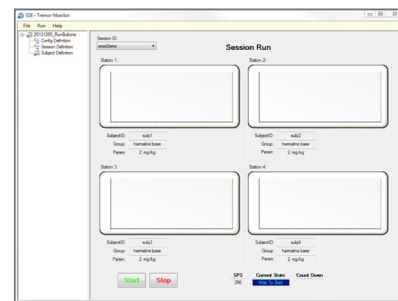
Windows XP/Windows 7 compatible computer system with USB port. Minimum disk and memory sizes specified to support Windows XP/Windows 7 are acceptable.

SDI CONFIGURED COMPUTERS

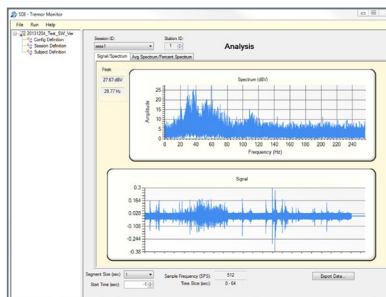
SDI offers high performance Cobalt™ Configured Computers that are pre-installed with the Windows® operating system and applicable SDI software. If required, SDI will pre-install PC Interface cards and all relevant drivers. Each computer is fully tested with your system prior to shipment. When your SDI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

FOR MORE INFORMATION

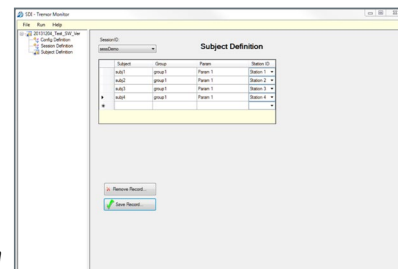
To learn more about SDI behavioral testing systems, please visit www.sandiegoinstruments.com. If you have any questions or would like to request a quote please call (858) 530-2600 or email us at sales@sandiegoinstruments.com.



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.



Subject Definition Screen



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