

ROTOMETER SYSTEM

The most powerful, flexible and easy to use system for motor function



Rotometer Test Station with Control Unit

Features & Benefits

- » Configure up to 16 test stations for rapid testing of large subject groups
- » All study data is stored in a database, providing quick and easy export
- » Independent start/stop switch
- » Diagnostic function allows for testing of each enclosure and displays status
- » Run Session monitors ongoing activity during testing
- » Full-turn or quarter-turn options
- » Test in progress monitoring

PRODUCT OVERVIEW

SDI's Rotometer System is a powerful activity system designed to record the subject's clockwise and counter clockwise rotations. Test station design assures rotations in place eliminating rotations caused by exploratory movements. SDI's Rotometer has been used widely in Traumatic Brain Injury and Spinal Cord Injury studies. The system can be configured with up to 16 stations for testing large subject groups. Each station starts and runs independently making continuous testing quick and easy. An optional quarter turn version of the system can be utilized to count partial rotations. SDI's Rotometer takes full advantage of the Windows® operating system with data organization and management software that combines power and flexibility with ease of use. Elapsed time-in session and activity counts are displayed continuously for each enclosure. The Run Session screen allows you to monitor the ongoing activity during testing. Rotometer utilizes a database to store all study results in a single file (table) format ready for export. This eliminates the need to cut and paste multiple files together in order to export study results to statistical packages.

ROTOMETER SYSTEM COMPONENTS

- > 18" test enclosure (rats) or 12" test enclosure (mice) with sloped floors
- > Lightweight Adjustable Harness
- > Independent Start/Stop Switch
- > Control Unit
- > Software
- > User Manual
- > All Cables and Connectors

ROTOMETER SPECIFICATIONS

Dimensions	4" (D) x 3" (W) x 2" (H), Sensor Unit, 18" Enclosure
Material Composition	Aluminum, Acrylic
Maximum # Stations	16
# of Photobeams	3 per station inside sensor box
Standard Cable Length	12 ft.
Certifications	CE

ROTOMETER COMPUTER REQUIREMENTS

Windows XP/Windows 7 compatible computer system with available USB connection. 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.

SDI ACTIVITY TEST SYSTEMS

- › Photobeam Activity System-Home Cage
- › Photobeam Activity System-Open Field
- › Place Preference

The image displays three screenshots of the SDI software interface. The top screenshot is the 'Rotometer Session Edit Screen', showing a 'Session Select' dialog box with a table of sessions. The middle screenshot is the 'Rotometer Data Spread Sheet', showing a table with columns for Session, Chamber, Position, Interbeam, Subject, Outcome, Outcome/Outcome, Run/Run, and Interval/Run. The bottom screenshot is the 'Rotometer Run Session Screen', showing a 'Run Sessions' dialog box with a table of sessions.



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