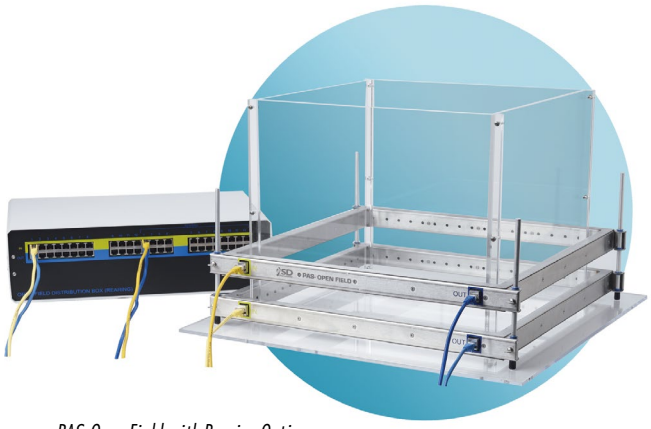
PHOTOBEAM ACTIVITY SYSTEM - OPEN FIELD

The most powerful, flexible and easy to use system for animal activity measurement



PAS-Open Field with Rearing Option

Features & Benefits

- Configure up to 16 test stations for rapid testing of large subject groups
- 16 x 16 photobeam configuration
- Accurately records ambulation movements, fine movements, rearing, pokes and time stamped (x,y) positions
- Real time reporting of activity
- Graphically view and play back the subject's path
- All study data is stored in a database, providing quick and easy export
- Optional rearing frames available
- Optional floor pokes available
- Optional drop in Dark Box
- Removable acrylic walls provides easy cleaning of enclosure

PRODUCT OVERVIEW

SDI's Photobeam Activity System – Open Field (PAS-OF). provides a powerful solution for applications in which qualitative analysis of the subject's locomotor patterns is necessary. (PAS-OF) utilizes 16 x 16 photobeam configuration to track the subject's path within an acrylic enclosure. The system can be configured with up to 16 stations with optional Rearing frames and option Floor Pokes. This provides a system to monitor significant behaviors while testing large subject groups. The beam positioning wors equally well for both rats and mice. Frames are vertically adjustable to accommodate different size subjects. (PAS-OF) takes full advantage of the Windows® operating system with data organization and management software that combines power and flexibility with ease of use. (PAS-OF) utilizes a database to store all study results in a single file in 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.

(PAS-OF) accurately records and reports ambulation movements, fine movements, rearing (if option is present), pokes (if option is present) and time stamped (x,y) positions. (PAS-OF) additionally reports central vs. peripheral counts, zone entries time in zone, distance traveled, speed, and resting time. Powerful software features provide the ability to graphically view and play back the subject's path in a choice of eight different speeds.

PHOTOBEAM ACTIVITY SYSTEM-OPEN FIELD COMPONENTS

- Clear Acrylic Enclosure
- 16 x 16 Photobeam Mounting Frame
- Control Unit
- Software
- User Manual
- All Cables and Connectors

PAS-OPEN FIELD SOFTWARE SPECIFICATIONS

Frame Dimensions	20” x 20” (OD) 18” x 18” (ID)
Enclosure Dimensions	16” (W) x 16” (D) x 15” (H)
Composition	Stainless Steel Frames, Clear Plastic Animal Enclosure
Maximum # Stations	16 16 Rearing frames 16 Floor pokes
PAS Distribution Box	14 ½” (W) x 10” (D) x 4 ½” (H)
# of Photobeams	16 photobeams in each direction (16 x 16)
Photobeam Spacing	1”
Optional Rearing Frame	20” x 20” (OD) 18” x 18” (ID) 1” photobeam spacing
Optional Floor Poke Floors:	4 holes or 16 holes
Standard Cable Length	12’
Certifications	CE and FDA CFR Part 11

SDI PHOTOBEAM ACTIVITY SYSTEM - OPEN FIELD COMPUTER REQUIREMENTS

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

SDI CONFIGURED COMPUTERS

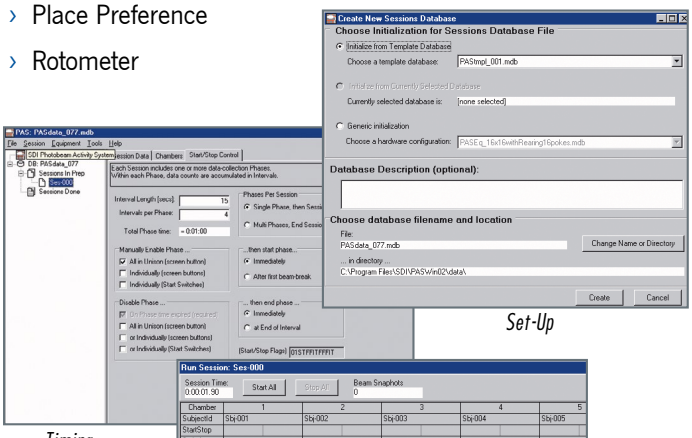
SDI offers high performance Cobalt™ Configured Computers that are pre-installed with the Windows® operating system and applicable SDI software. If required, SDI will pre-install PC Interface cards and all relevant drivers. Each computer is fully tested with your system prior to shipment. When your SDI 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 or to view the online PAS-OF overview presentation, 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@sandiegoinstuments.com**.

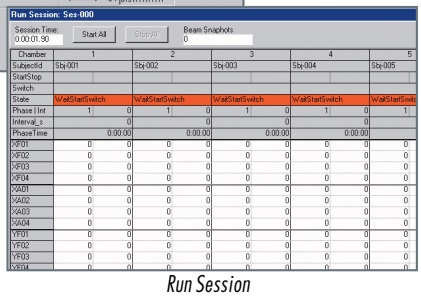
SDI ACTIVITY TEST SYSTEMS

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



Set-Up

Timing



Run Session

San Diego Instruments, Inc.
9155 Brown Deer Rd, Suite 8
San Diego, CA 92121
Ph: 858-530-2600
Fax: 858-530-2646
www.sandiegoinstruments.com