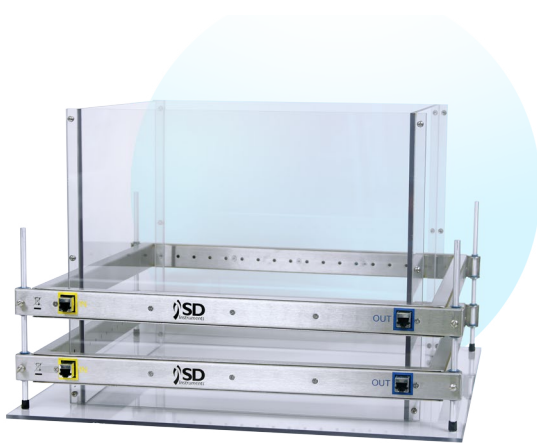


PHOTOBREAM ACTIVITY SYSTEM - OPEN FIELD

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



PAS-Open Field with Rearing Option

Features & Benefits

- » Configure up to 32 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 optional Floor Pokes. This provides a system to monitor significant behaviors while testing large subject groups. The beam positioning works equally well for both rats and mice. Frames are vertically adjustable to accommodate different size subjects. The PAS-OF Control Unit connects via USB allowing laptops to run the PAS-OF System. 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.

PHOTOBREAM 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) All Frames
Enclosure Dimensions	16" (W) x 16" (D) x 15" (H)
Composition	Stainless Steel Frames, Clear Acrylic Enclosure
Maximum # Stations	32 with Locomotor Frames only 16 with Locomotor Frames and Rearing Frames 16 with Locomotor Frames and Floor Pokes 16 with Locomotor Frames, Rearing Frames and Floor Pokes
PAS Distribution Box	14.5" (W) x 10" (D) x 4.5" (H)
# of Photobeams	Locomotor: 16 photobeams in both directions (x and y axes) Rearing: 16 photobeams in one direction (x axis)
Photobeam Spacing	1"
Optional Floor Poke Floors:	4 holes or 16 holes
Standard Cable Length	12'
Certifications	CE and FDA CFR Part 11 (optional, extra cost item)

SDI PHOTOBAM ACTIVITY SYSTEM - OPEN FIELD 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

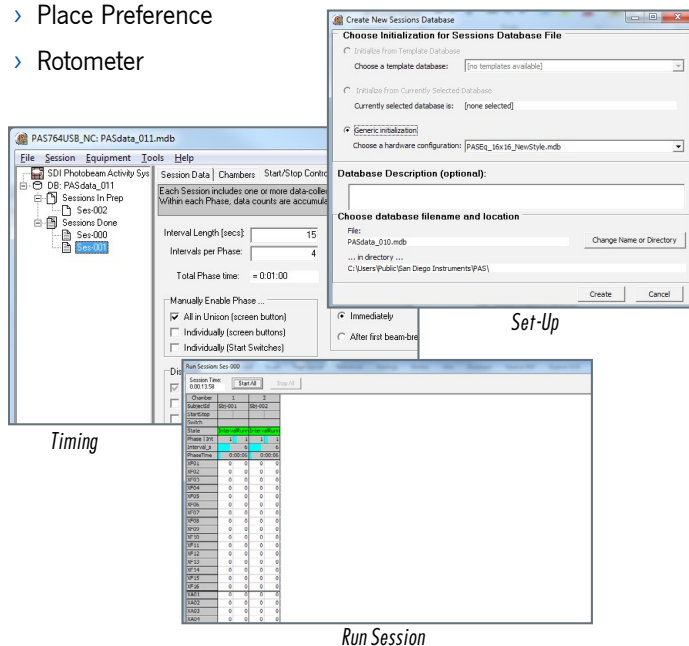
SDI offers high performance Configured Computers that are pre-installed with the Windows® operating system, USB Drivers and applicable SDI software. Each computer is fully tested with your system prior to shipment. When your SDI system arrives, all you have to do is unpack it, attach the cables and begin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

FOR MORE INFORMATION

To learn more about SDI behavioral testing systems 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@sandiegoinstruments.com.

SDI ACTIVITY TEST SYSTEMS

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



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