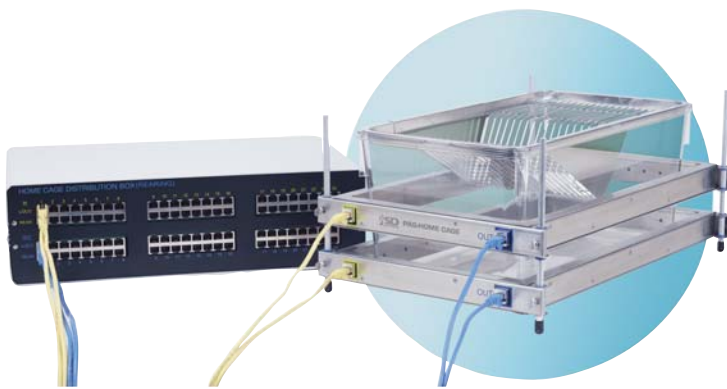


PHOTOBREAM ACTIVITY SYSTEM - HOME CAGE

The most powerful, flexible and easy to use system for animal screening studies



PAS- Home Cage with Rearing Option

Features & Benefits

- Configure up to 48 test stations for rapid testing of large subject groups
- Ability to run 24 hours a day for a full week without user intervention
- 4 x 8 photobeam configuration precisely tracks the subject's path
- Accurately records ambulation movements, fine movements, rearing, and time stamped (x,y) positions
- Real time reporting of activity
- Ability to 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

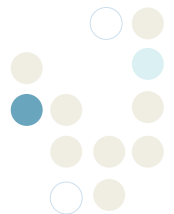
PRODUCT OVERVIEW

SDI's Photobeam Activity System - Home Cage (PAS-HC) provides an affordable and flexible solution for activity testing. PAS-HC utilizes a laboratory's standard transparent cages, thus reducing the cost of a system. The system can be configured with up to 48 stations for testing large subject groups. PAS-HC supports the rapid exchange of subjects in short studies, while affording the ability to run 24 hours a day for a full week without user intervention. PAS-HC utilizes a 4 x 8 photobeam configuration to track the subject's path in its home cage. Optional features include rearing frames that are infinitely adjustable to accommodate subjects of different sizes. PAS-HC takes full advantage of the Windows® operating system with data organization and management software that combines power and flexibility with ease of use. PAS-HC 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.

PAS-HC accurately records ambulation movements, fine movements, rearing (if option is present), and time stamped (x,y) positions. PAS-HC 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- HOME CAGE COMPONENTS

- 4 x 8 Photobeam Mounting Frame
- Control Unit
- Software
- User Manual
- All Cables and Connectors



CAGE RACK 4 X 8 PHOTOBEAM WITH FLEX FIELD SOFTWARE SPECIFICATIONS

Frame Dimensions	Inside Dimensions: 10" (W) x 18 ½" (L) Outside Dimensions: 11 ½" (W) x 20" (L)
Weight	4 lbs.
Composition	Stainless Steel Frames
Maximum # Stations	48 24 (with rearing) Note: It is possible to add one more PAS Distribution Box to double the number of configurable stations.
PAS Distribution Box	11 ¾" (W) x 18 ¾" (L)
# of Photobeams	4 x 8
Photobeam Spacing	1 15/16"
Optional Rearing Frame	Frame dimensions as above with 1" photobeam spacing
Standard Cable Length	12 ft.
Certifications	CE FDA CFR Part 11

SDI PHOTOBEAM ACTIVITY SYSTEM - HOME CAGE REQUIREMENTS

Windows 2000/XP compatible computer system with available PCI slot. Minimum disk and memory sizes specified to support Windows 2000/XP 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.

To view the online PAS-HC overview presentation, please visit: sandiegoinstruments.com/presentations.

SDI ACTIVITY TEST SYSTEMS

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

The image displays two screenshots of the SDI software interface. The top screenshot, labeled 'Timing', shows a configuration window for 'PAS: PASdata_077.mdb'. It includes fields for 'Interval Length (sec): 15', 'Intervals per Phase: 4', and 'Total Phase time: 0:01:00'. There are also checkboxes for 'Manually Enable Phase' and 'Enable Phase', and options for 'Phase Per Session' (Single Phase, Run Session, Multi-Phase, End Session). The bottom screenshot, labeled 'Set-Up', shows the 'Create New Sessions Database' dialog box. It prompts the user to 'Choose a template database' (PAS001_001.mdb) and 'Choose a hardware configuration' (PAS001_1041(Small)Pleasing(S)ok.mdb). It also includes a 'Database Description (optional)' field and a 'Choose database filename and location' section with a file name 'PAS001_077.mdb' and a 'Change Name or Directory' button.



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