



Designed by Scientists for Scientists

Scientific Behavioral Testing Systems

San Diego Instruments

Product Catalog



The World's Most Powerful, Flexible, and Easy to Use Behavioral Testing Systems

Welcome



San Diego Instruments (SDI) has served the scientific community for over 30 years as a comprehensive resource for the design, manufacture and distribution of scientific testing systems used in human and animal behavioral studies. Utilized in laboratories and cited in research papers worldwide, SDI systems represent the industry benchmark for quality and longevity. Our commitment to developing quality products that stand the test of time is matched only by our dedication to excellent customer service. We take pride in our ever-growing core of loyal clientele.

We are proud to be poised on the cutting-edge of industry trends. Our continual investment in design and development keeps our products one step ahead of the rapidly evolving needs of our clientele. SDI behavioral testing systems afford you the utmost in quality and performance, giving you the edge in an industry where Power, Flexibility and Ease of Use are everything.

Power

The power of SDI test systems translates directly into speed and efficiency in the laboratory. Taking full advantage of modern computers, our data organization and management software provides extensive test options and the ability to configure multiple test stations, allowing rapid testing of a large number of subjects. One-touch exporting of data to statistical packages simplifies the process by eliminating the hassle of cutting and pasting.

Flexibility

Specifically designed with flexibility in mind, SDI systems are easily customized to your unique testing parameters. System configurations can be easily expanded over time. Intuitive yet powerful features cater to users from the educated non-specialist to the sophisticated behaviorist. Our systems support multiple test paradigms without requiring costly add-on kits or additional software. All SDI Systems can be run from either a Laptop or Desktop. All systems interface to the computer via USB.

Ease of Use

All the power and flexibility in the world, however, is nothing without ease of use. All SDI test systems are self-installable in less than one hour. Simple, menu-driven steps allow you to set up and run tests without any programming. Our consistent point-and-click user interfaces minimize technician training and none of our systems require pre-training of the subject.

SDI behavioral testing systems are available within and outside of the United States. Internationally, our products are sold through a network of distributors. If you have any questions or would like to request a quote please call (858) 530-2600 or email us at sales@sandiegoinstruments.com. Visit us online at www.sandiegoinstruments.com. SDI would like to thank all the scientists worldwide who have contributed to the success of our behavioral testing systems – our systems are truly Designed by Scientists for Scientists. We look forward to assisting you in the advancement of your research.

Table of Contents

STARTLE REFLEX TESTING

SR-LAB™	4
---------	---

TREMOR TESTING

Tremor Monitor™	6
-----------------	---

MOTOR & SENSORY TESTING

ROTOR-ROD™	7
Animal Grip Strength	8

LEARNING

GEMINI™	9
Freeze Monitor™	10

ACTIVITY TESTING

Photobeam Activity System - Home Cage	11
Photobeam Activity System - Open Field	12
Rotometer	13

CONDITIONED PLACE PREFERENCE

Place Preference System	14
-------------------------	----

VIDEO TRACKING

ANY-maze	15
----------	----

MAZES & ENCLOSURES 16-25

Barnes Maze, Y Maze, Elevated Plus Maze, Radial Arm Maze, T Maze, Zero Maze, Multiple Unit Open Field, Single Unit Open Field, Water Mazes and Custom Mazes and enclosures.

HUMAN TESTING

SR-HLAB™	26
Eyeblink Conditioning System	27
ERP-LAB™	28
Human Testing Combination Systems	29

TEST ACCESSORIES

Airstim Unit	30
Airstim Air Delivery Tubes	30
Airstim Unit With Software Control	30
Portable Air Puff Unit	30
Portable Air Puff Unit With Software Control	30
Animal Stimulator	30
Programmable Animal Shocker	30
Shock Level Tester	30
White Noise Generator	30

SDI GENERAL INFO 31

STARTLE REFLEX TESTING

SR-LAB™



SR-LAB ABS Station

The SR-LAB Startle Response System – the world's most widely used system for startle reflex measurement and by far the most successful for fear potentiated startle and pre-pulse inhibition testing. SR-LAB provides a complete hardware and software solution for a wide variety of startle applications. Intuitive yet powerful features cater to users from the educated non-specialist to the sophisticated behaviorist. The SR-LAB basic components include test cabinet in composite ABS, animal enclosure in a choice of standard sizes, power supply, input and output cables, software, user manual, and software utilities for data analysis.

- Supports all startle paradigms including startle habituation, pre-pulse and cross modal inhibition, fear potentiated startle, trace conditioning and gap detection.
- Configure up to 16 test stations simultaneously for rapid testing of large subject groups.
- Easy to use software controls all test paradigms.
- Plug-in kits for shock, puretone, airpuff and light stimuli available on request.
- Results are reported in millivolts, which is a direct read and not a derived figure such as Newtons.
- 5 standard animal enclosures and 4 slotted animal enclosures for tethered animals.
- Tubular animal enclosure allows for no stress of being restrained while animal remains centered over the sensor for consistently reliable results.
- Analysis module to review scored data and raw data and to export data
- Can be run on either a desktop or laptop.

2325-0400

SR-LAB SYSTEM

Includes: 1 ABS cabinet, 1 animal enclosure, software, connection chassis for 16 stations with USB Interface and all cables & connectors.

2325-0401

SR-LAB System - Additional Test Station

Includes: 1 ABS cabinet, 1 animal enclosure and all cables & connectors.

See pg.6

DUAL USAGE SR-LAB/TREMOR MONITOR

SR-LAB OPTIONAL ACCESSORIES

2325-0078

Standardization Unit

Animal Enclosures

7500-0400

Ultra-Sensitive Small (3.5" L x 1.25" I.D.) (Up to 25 grams)

7500-0320

Small (3.5" L x 1.1" I.D.) (Up to 25 grams)

7500-0399

Ultra-Sensitive Small/Medium (5" L x 1.5" I.D.) (Up to 50 grams)

7500-0321

Small/Medium (5" L x 1.5" I.D.) (Up to 50 grams)

7500-0322

Medium (6" L x 2.25" I.D.) (Up to 150 grams)

7500-0323

Large (8" L x 3.5" I.D.) (Up to 450 grams)



SR-LAB Enclosure and Standardization Unit

SR-LAB OPTIONAL ACCESSORIES (CONT.)

7500-0324	Extra Large (10" L x 5" I.D.) (Up to 800 grams)
7500-0325	Small/Medium Animal Enclosure Slotted for Tethered Subjects
7500-0326	Medium Animal Enclosure Slotted for Tethered Subjects
7500-0327	Large Animal Enclosure Slotted for Tethered Subjects
7500-0328	Extra Large Animal Enclosure Slotted for Tethered Subjects



Air Puff Kit

Stimulus Kits

Air:

7500-0402	Air Puff System Includes: A single valve for one test chamber. Three additional valves can be added for up to four test stations.
7500-0403	Air Puff Additional Station
7500-0308	Air Puff Delivery Assembly(Air Nozzle, Animal Enclosure Mount and Tubing)



SR-Lab Light Bar

Light:

7500-0383	SR-Lab Light Bar
7500-0386	SR-Lab Light Bar Control Box

Tone:

7500-0350	Pure Tone Auditory System (software, amplifier for up to 4 test stations, and all cables and connectors)
7500-0351	Pure Tone Speaker Assembly (Per Station)
7500-0329	Pure Tone Audio Amplifier (supports 4 additional test stations)

Shock:

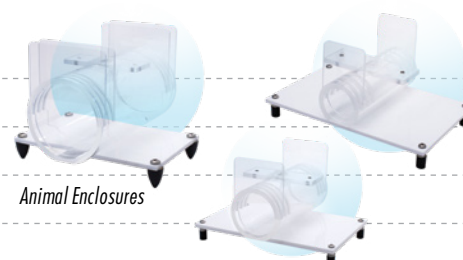
2325-0404	Potentiated Startle Kit Includes: Shocker, Shock Grid, LED Cue Light, and all cables & connect
7500-0007	SR-LAB Small Shock Grid
7500-0006	SR-LAB Small/Medium Shock Grid
7500-0005	SR-LAB Medium Shock Grid
7500-0004	SR-LAB Large Shock Grid
7500-0011	SR-LAB X-Large Shock Grid



Potentiated Startle Kit

System Components

6300-0000	SR-LAB Software Version Upgrade
2325-0380	SR-LAB PCI to SR-LAB USB Upgrade
6300-0001	SR-Lab with FDA Part 11 Compliance Software
6305-0000	SR-Lab GLP Validation Document Set
2325-0358	Shock Level Tester
7300-0055	SR-LAB Table Six Foot
7300-0056	SR-LAB Table Four Foot



Animal Enclosures

TREMOR MONITOR™



Tremor Monitor uses SR-LAB Test Stations

The Tremor Monitor 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.

- Accurately differentiates tremor events from ambulatory/stereotyped movements.
- FFT reporting of tremor frequencies.
- Records continuous movement waveform at 128Hz for ~68 minutes.
- Complete movement record can be reviewed in adjustable intervals.
- Long and short tremor events (user defined).
- Display, print, and export test results in graphic and numeric format.
- Maximum Stations: 8

(For older PCI interface Tremor Monitor Systems please contact San Diego Instruments to determine if your system can be supported, expanded and/or converted to a USB interface.)

2325-0424	TREMOR MONITOR Includes: 1 ABS cabinet, 1 animal enclosure, software, connection chassis with USB interface and all cables & connectors.
2325-0425	Tremor Monitor - Additional Test Station Includes: 1 ABS cabinet, 1 animal enclosure and all cables & connectors.
2325-0426	DUAL USAGE SR-LAB/TREMOR MONITOR Includes: 1 ABS cabinet, 1 SR-LAB animal enclosure, 1 Tremor Monitor animal enclosure, SR-LAB software, Tremor Monitor software, connection chassis with USB interface and all cables & connectors.
2325-0427	Dual Usage SR-LAB/Tremor Monitor - Additional Test Station Includes: 1 ABS cabinet, 1 SR-LAB animal enclosure, 1 Tremor Monitor animal enclosure and all cables & connectors.
7500-0399	Ultra Sensitive Mouse Tremor Animal Enclosure
7500-0348	Rat Tremor Animal Enclosure
2325-0287	Tremor Monitor Standardization Unit
6300-0700	Tremor Monitor Software Version Upgrade
2325-0380	Tremor Monitor PCI to USB Upgrade

MOTOR & SENSORY TESTING

ROTOR-ROD™

ROTOR-ROD™
Animal Grip Strength



ROTOR-ROD System with Rat Cart

The ROTOR-ROD System measures motor function, motor learning, coordination, and equilibrium in both rats and mice. ROTOR-ROD takes full advantage of the Windows® operating system with data organization and management software that combines power and flexibility with ease of use.

- Utilizes the “fear of falling” instinct as a natural motivator.
- Adjustable falling heights from 18-48 inches.
- Automatically records fall latencies, distance traveled, and RPM at the time of fall.
- Secured enclosure prevents animals from escaping after a safe landing.
- Programmable rod speed ramps can be any combination of constant, accelerating and decelerating segments within the maximum 1,000 second run time.
- Locking rod allows for stability while loading the animals into their lanes.
- 14 inch diameter spacer disks prevent the animal from using the wall for balance.
- Ability to run user friendly software on laptop or desktop computer.
- All study data is stored in a database, providing quick and easy export.

ROTOR-ROD SYSTEM

Includes: Running rod(mouse, rat or both), software, USB to serial adapter and all cables & connectors.

2325-0405	ROTOR-ROD System - Mouse
2325-0406	ROTOR-ROD System - Rat
2325-0407	ROTOR-ROD System - Rat & Mouse
7500-0330	ROTOR-ROD System - Mouse Model to Rat and Mouse Model
7500-0331	ROTOR-ROD System - Rat Model to Rat and Mouse Model

ANIMAL GRIP STRENGTH SYSTEM



Grip Strength Platform with 2 gauges
for High Throughput

SDI’s Animal Grip Strength System measures hindlimb and forelimb grip strength in rats and mice.

- The Grip Strength platform can be configured with single or dual gauges.
- With two gauges you get high throughput testing of the forelimb and hindlimb in a single pass.
- Platform designed to promote consistent movement during testing.
- Adjustable grip from 0-45 degrees to provide maximum flexibility.
- Gauge mountings are horizontally and vertically adjustable to accommodate both rats and mice.
- Peak force values (tension and compression) automatically captured.
- Able to connect to desktop or laptop for quick data recording.
- Modular design allows for easy and quick cleaning.

ANIMAL GRIP STRENGTH SYSTEM

All gauges come with a PC interface and all systems include software. The gauges can be used in manual mode without connecting to a computer if desired.

2325-0063	Platform with 1 Gauge and 1 Grip (Specify rat or mouse grip)
2325-0064	Platform with 2 Gauges and 2 Grips (Specify rat or mouse grips)
7500-0229	Adjustable Grip for Mice
7500-0227	Adjustable Grip for Rats
2325-0054	Animal Grip Strength Platform
2900-2004	Digital Gauge Kit with software
2900-2005	Digital Gauge Kit

LEARNING

GEMINI™

Freeze Monitor™

GEMINI™ AVOIDANCE SYSTEM



GEMINI Test Station with SHOCKSTIM and AIRSTIM

The GEMINI Avoidance System is purposely designed for active and passive avoidance and learned helplessness testing in both rats and mice. GEMINI is available in two configurations: Shock or Shock and Airstim. GEMINI takes full advantage of the Windows® operating system with data organization and management software that combines power and flexibility with ease of use.

- Cues include non-heating LED house lights, laboratory standard cue lights, user selectable auditory stimuli and quiet Auto-Door.
- Two unconditioned stimulus available, shock or air puff.
- Optional mouse start box for passive avoidance shrinks the chamber size to keep the mouse focused on the center auto-door.
- Optional mouse shock box shrinks the chamber size and prevents mouse from escaping the shock. It has metal walls to assure the mouse will receive a shock.
- Configure up to 8 stations for rapid testing of subjects.
- Auto-Door opens in 500 milliseconds.
- Independent station start makes continuous testing quick and easy.
- Ability to run the system on a laptop or a desktop.
- Easy-to-use, menu based software assures reliable and accurate data.
- All study data is stored in a database, providing quick and easy export.

2325-0441	GEMINI AVOIDANCE SYSTEM WITH SHOCK™ (Specify for rats or mice) Includes: Software, Auto-Door, grid floor, LED house lights, cue lights, auditory stimuli and all cables & connectors.
2325-0442	GEMINI Avoidance System - Additional Test Station with Shock (Specify for rats or mice)
2325-0443	GEMINI AVOIDANCE SYSTEM WITH SHOCK AND AIRSTIM™ (Specify for rats or mice) Includes: Software, Auto-Door, grid floor, LED house lights, cue lights, auditory stimuli and all cables & connectors.
2325-0444	GEMINI Avoidance System - Additional Test Station with Shock and AIRSTIM™ (Specify for rats or mice)

GEMINI SYSTEM OPTIONAL COMPONENTS & ACCESSORIES

7001-0130	Mouse Shock Box
7001-0127	Mouse “Start Box” for Passive Avoidance
7500-0018	GEMINI Grid Floor for Rats
7500-0019	GEMINI Grid Floor for Mice
2325-0104	GEMINI Isolation Cabinet
2325-0361	GEMINI Avoidance System-Shock Upgrade PCI Model to USB Model <i>See note #1</i>
6300-0201	Gemini FDA Part 11 Compliance Software
6305-0003	Gemini GLP Validation Document Set
2325-0363	GEMINI Avoidance System-Shock/Air Upgrade PCI Model to USB Model <i>See note #1</i>
6300-0200	GEMINI Software Version Upgrade
2325-0358	Shock Level Tester

Note #1: Some existing systems can be upgraded to the USB version. Serial Numbers: GEM-233 and higher can be upgraded. This requires the system be returned to SDI for upgrading. The price assumes reusability of all electronic components, the addition of the required USB components, rewiring and GEMINI USB Software. If components cannot be reused the customer will be contacted with a revised quotation to do the upgrade. USB Version additional features: Sound Cue, White Noise or Specific Frequency (Variable between 4 and 19 KHz), LED House Light (no heat), Delayed Shock in Passive Avoidance and inclusion of Learned Helplessness paradigm.

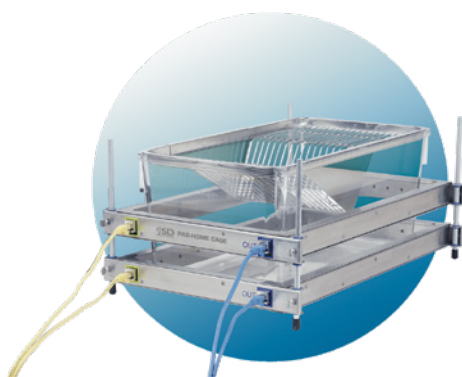
ACTIVITY TESTING

Photobeam Activity System - Home Cage

Photobeam Activity System - Open Field

Rotometer

PHOTOBREAM ACTIVITY SYSTEM - HOME CAGE



PAS - Home Cage with Rearing Option

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. 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 involvement.

- Configure up to 64 test stations with Locomotor frames only(x,y axes) or up to 32 test stations with Locomotor(x,y axes) and Rearing(z axis) frames per computer.
- 4 x 8 photobeam configuration precisely tracks the subject's path.
- Accurately records ambulatory movements, fine movements, and rearing.
- Real time reporting of activity.
- Ability to graphically view and playback the subject's path.
- PAS Reporter utility reports, zone entries, time in zone, distance traveled, speed and resting time.
- All study data is stored in a database, providing quick and easy export.

(For older PCI interface PAS Home Cage Systems please contact San Diego Instruments to determine if your system can be supported, enlarged and/or converted to a USB interface.)

2325-0408

PHOTOBREAM ACTIVITY SYSTEM - HOME CAGE

Includes: Control Unit with USB interface, software, 4 x 8 mounting photobeam frame and all cables & connectors.

7500-0332

Photobeam Activity System - Home Cage Additional Test Station

PHOTOBREAM ACTIVITY SYSTEM - HOME CAGE OPTIONAL COMPONENTS & ACCESSORIES

7500-0333

Photobeam Activity System - Home Cage Rearing Frame

6300-0100

Photobeam Activity System - Home Cage Software Version Upgrade

6300-0102

Photobeam Activity System - Home Cage FDA Part 11 Compliance Software

6305-0001

Photobeam Activity System - Home Cage GLP Validation Document Set

PHOTOBREAM ACTIVITY SYSTEM - OPEN FIELD



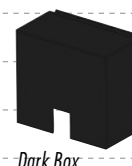
PAS-Open Field with Rearing Option

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 accurately records and reports ambulation movements, fine movements, rearing (if option is present), pokes (if option is present), time stamped (x,y) positions and central vs. peripheral counts.

- 16x16 photobeam configuration.
- Configure up to 32 test stations with Locomotor frames(x,y axes) or 16 stations with the addition of Rearing(z axis) and/or Floor pokes.
- Real time reporting of activity.
- Graphically view and playback the subject's path.
- All study data is stored in a database, providing quick and easy export.
- Optional rearing frame, floor pokes, dark box available.
- Removable acrylic walls provide easy cleaning of enclosure.
- PAS Reporter utility reports, zone entries, time in zone, distance traveled, speed and resting time.
- All study data is stored in a database, providing quick and easy export.

(For older PCI interface PAS Open Field Systems please contact San Diego Instruments to determine if your system can be supported, expanded and/or converted to a USB interface.)

2325-0409	PHOTOBREAM ACTIVITY SYSTEM - OPEN FIELD Includes: Control Unit with USB interface, software, 16 x 16 photobeam mounting frame and all cables & connectors.
7500-0334	Photobeam Activity System - Open Field Additional Test Station
2325-0411	PHOTOBREAM ACTIVITY SYSTEM - OPEN FIELD - 16 HOLE FLOOR POKE SYSTEM Includes: Control Unit with USB interface, software, 16 x 16 photobeam mounting frame, 16 hole floor poke and all cables & connectors.
7500-0337	Photobeam Activity System - Open Field - 16 Hole Poke Additional Test Station
PHOTOBREAM ACTIVITY SYSTEM - OPEN FIELD OPTIONAL COMPONENTS & ACCESSORIES	
7500-0335	Photobeam Activity System - Open Field Rearing Frame
7001-0364	Photobeam Activity System - Dark Box Insert
6300-0100	Photobeam Activity System - Open Field Software Version Upgrade
6300-0102	Photobeam Activity System - Open Field FDA Part 11 Compliance Software
6305-0002	Photobeam Activity System - Open Field GLP Validation Document Set
2325-0104	Photobeam Activity System - Open Field Isolation Cabinet



Dark Box

ROTOMETER SYSTEM



Rotometer Test Station

Optional Rotometer
System Mounting Frame

SDI's Rotometer System is a powerful activity system designed to record the subject's clockwise and counter clockwise rotations. SDI's Rotometer has been used widely in Traumatic Brain Injury and Spinal Cord Injury studies.

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

(For older PCI interface Rotometer Systems please contact San Diego Instruments to determine if your system can be supported, enlarged and/or converted to a USB interface.)

2325-0412	ROTOMETER SYSTEM Includes: Control Unit with USB interface, software, test station and all cables & connectors.
-----------	---

7500-0338	Rotometer System - Additional Test Station
-----------	--

2325-0413	ROTOMETER SYSTEM WITH QUARTER TURN ADD-ON FEATURE Includes: Control Unit with USB interface, software, test station and all cables & connectors.
-----------	--

7500-0339	Rotometer System - Additional Test Station with Quarter Turn Add-on Feature
-----------	---

ROTOMETER SYSTEM OPTIONAL COMPONENTS & ACCESSORIES

7500-0279	Rotometer Test Station Mounting Frame
-----------	---------------------------------------

7500-0304	Rotometer Rat Enclosure
-----------	-------------------------

7500-0305	Rotometer Mouse Enclosure
-----------	---------------------------

6300-0300	Rotometer Software Version Upgrade
-----------	------------------------------------

CONDITIONED PLACE PREFERENCE

PLACE PREFERENCE SYSTEM



Place Preference 3-Compartment System
with Photobeams



Place Preference 2-Compartment System
with Photobeams

SDI's Place Preference System is the most powerful, flexible and easy to use system for measuring conditioned place preference. SDI's Place Preference System employs a 4 x 16 photobeam array to precisely record entries into chamber and time in chamber.

- Available in 3 compartment, 2 compartment, or adjustable 2 or 3 compartment model.
- Compartment floors are removable and allow the user to create custom floors from virtually any material to meet specific study requirements.
- Test enclosure is designed with clear acrylic walls providing the ability to attach any type of cue.
- Manually operated doors rise fully, providing an unobstructed pathway for the subject.
- Activity data is also reported.
- PAS Reporter utility reports, zone entries, time in zone, distance traveled, speed and resting time.
- Non-heating LED lights eliminate inadvertent cues.
- All study data is stored in a database, providing quick and easy export
- Maximum Stations: 16

(For older PCI interface Place Preference Systems please contact San Diego Instruments to determine if your system can be supported, expanded and/or converted to a USB interface.)

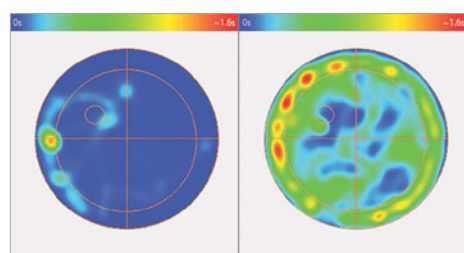
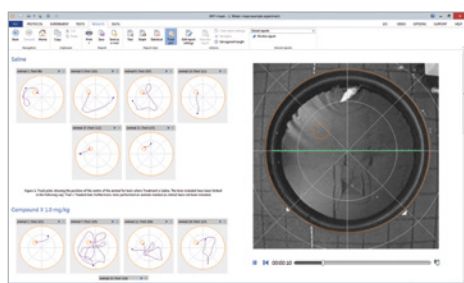
PLACE PREFERENCE SYSTEM

Includes: Control Unit with USB interface, software, 4 x 16 photobeam configuration, LED lights, removable floors and all cables & connectors.

2325-0414	Place Preference System (3 Compartment)
7500-0340	Place Preference System - Additional Test Station (3 Compartment)
2325-0415	Place Preference System (2 Compartment)
7500-0341	Place Preference System - Additional Test Station (2 Compartment)
2325-0416	Place Preference System (Combo 2 or 3 Compartment)
7500-0342	Place Preference System - Additional Test Station (Combo 2 or 3 Compartment)
2325-0445	Place Preference System- Mouse (3 Compartment)
7500-0393	Place preference System - Mouse Additional Test Station (3 Compartment)

VIDEO TRACKING

ANY-MAZE



Heatmap comparison

Latency to first entry to the Island zone (s)					
Group (note 1)	N	Mean	SD (note 2)	Distr (notes 3, 4, 5)	
Acquisition					
Saline	6	11.15	±8.94	11.6, 14.3, 27.1, 6.4, 5.0, 2.5	
Compound X 1.0 mg/kg	5	10.58	±7.81	5.1, 9.9, 21.9, 2.0, 14.0	
Compound X 5.0 mg/kg	5	14.66	±10.01	26.1, 6.7, 6.3, 25.0, 9.2	
Compound X 10.0 mg/kg	5	10.04	±9.25	7.9, 11.4, 11.2, 5.7, 14.0	
Probe					
Saline	6	9.30	±6.02	18.9, 8.4, 11.2, 3.7, 11.3, 2.3	
Compound X 1.0 mg/kg	5	18.64	±11.51	3.0, 30.6, 24.2, 10.3, 25.1	
Compound X 5.0 mg/kg	5	33.36	±16.19	43.4, 35.6, 51.8, 26.1, 9.9	
Compound X 10.0 mg/kg	5	83.70	±31.32	118.4, 110.2, 85.9, 53.1, 50.9	
ANOVA (notes 6, 7)					
Stage	F(1,17) = 34.9629	p = 0.000			
Treatment	F(3,17) = 12.8530	p = 0.000			
Interaction	F(3,17) = 16.3164	p = 0.000			

Result by stage

ANY-maze is a flexible video tracking system designed to automate testing in behavioral experiments. Packed with advanced features ANY-maze is one of the most comprehensive video tracking systems available today. ANY-maze includes two key features at no extra cost; head tracking and multi-animal tracking. ANY-maze provides multiple measurements in these key areas:

- Apparatus measures
- Zone measures
- Sequence measures
- Key (lever) measures
- Input switch measures

The standard ANY-maze bundle includes software, camera, camera ceiling mount, USB cable (16 ft/5 M) and remote switch. Study specific bundles are also available that add unique components to the standard bundle. When contacting San Diego Instruments for a bundle including an apparatus please include whether you will be testing rats, mice or both and your desired color for the apparatus (see the Mazes and Enclosures section for the color choices for each apparatus).

ANY-maze STANDARD BUNDLES

Configured Bundles:

ANY-maze Standard Bundles with multiple apparatus and computer options can be configured. Please contact San Diego Instruments to configure an ANY-maze bundle specific to your research needs.

2325-0275

ANY-maze Video Tracking System Bundle

Includes software, camera, camera ceiling mount, USB cable (16 ft/5 M) and remote switch.

ANY-maze SYSTEM OPTIONAL COMPONENTS & ACCESSORIES

7500-0290

Infrared Camera with Illuminator for Desktop

7500-0295

Infrared Camera with Illuminator for Laptop

2500-0514

Camera Ceiling Mount

5100-0058

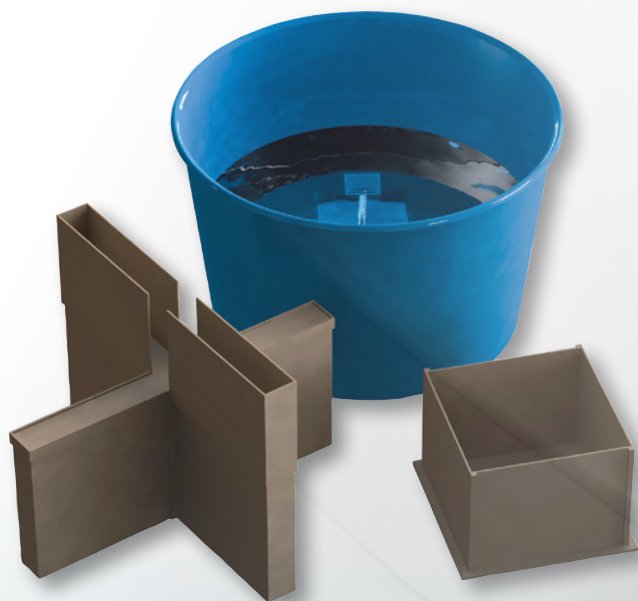
Remote Switch

ANY-maze SYSTEM OPTIONAL COMPONENTS & ACCESSORIES (CONT.)

7500-0311	Video Camera Bundle (Includes: Video Camera(USB), Varifocal Lens, Ceiling Mount and 16 ft(5 M) USB Cable)
2057-6010	AMi-2 Optogenetic Interface
2057-6011	AMi-2 Digital Interface
2057-6012	AMi-2 Touch Switch Interface
2057-6013	AMi-2 Relay Interface
2057-6014	AMi-2 Analog Interface
2057-6015	AMi-2 Audio Interface
2450-0061	Wide Angel Camera Lens

MAZES & ENCLOSURES

MAZES & ENCLOSURES



Water Maze Tank, Elevated Plus Maze, Single Unit Open Field Enclosure

SDI's Mazes and Enclosures are made of durable, high density, non-porous plastic. Sizes for rats and mice are available. SDI Mazes and Enclosures are optimally designed for use with SDI ANY-maze Video Tracking System. (see pages 16-18)

ZERO MAZE

Mouse

Inside Wall: (A) 20" Diam. / 62.83" Circum.

Outside Wall: (B) 24" Diam. / 75.40" Circum. (C) 6"

3 Adjustable Legs (not shown): 24"

Rat

Inside Wall: (A) 40" Diam. / 125.66" Circum.

Outside Wall: (B) 48" Diam. / 150.80" Circum. (C) 8"

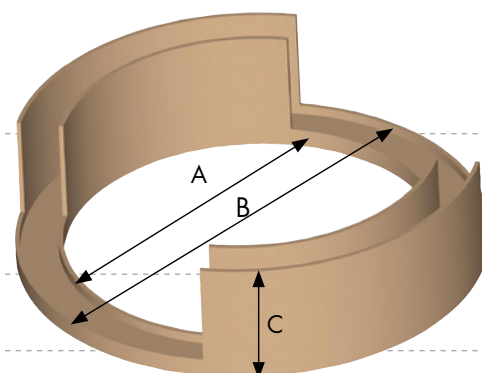
3 Adjustable Legs (not shown): 30"

Material Composition

.25" ABS Plastic

Color Options

Black, White, Beige



Part Numbers

2325-0230 Zero Maze - Black - Mouse

2325-0229 Zero Maze - White - Mouse

2325-0231 Zero Maze - Beige - Mouse

2325-0227 Zero Maze - Black - Rat

2325-0226 Zero Maze - White - Rat

2325-0228 Zero Maze - Beige - Rat

ELEVATED PLUS MAZE

Mouse

(A) 26" (B) 12" (C) 2" (D) 15.25" (E) 21.25" (F) .125" (lip)

Rat

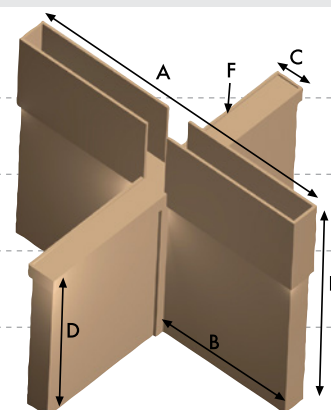
(A) 43.5" (B) 19.75" (C) 4" (D) 19.5" (E) 31.5" (F) .35" (lip)

Material Composition

.25" ABS Plastic

Color Options

Black, White, Beige



Part Numbers

7001-0225 Elevated Plus Maze - Black - Mouse

7001-0336 Elevated Plus Maze - White - Mouse

7001-0316 Elevated Plus Maze - Beige - Mouse

7001-0227 Elevated Plus Maze - Black - Rat

7001-0338 Elevated Plus Maze - White - Rat

7001-0337 Elevated Plus Maze - Beige - Rat

Y MAZE

Includes: Interchangeable floors (plain and pellet holes), manual doors at each upper arm and starter door in base leg.

Mouse

(A) 3" (B) 15" (C) 15" (D) 5" (E) 3.5" (H) .75" Diam. X .5" Deep

Rat

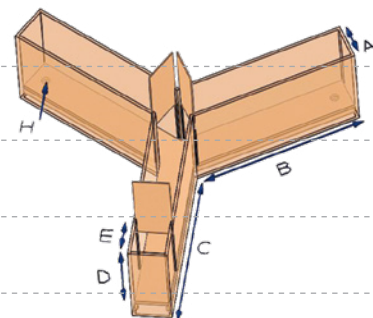
(A) 4" (B) 22" (C) 22" (D) 10" (E) 7" (H) 1" Diam. X .75" Deep

Material Composition

.25" ABS Plastic - solid color mazes, .25" acrylic for clear wall mazes

Color Options

Black, White, Beige or Clear Walls with colored or clear floors



Part Numbers

7001-0422	Y Maze - Black - Mouse	7001-0431	Y Maze - Black - Rat
7001-0419	Y Maze - White - Mouse	7001-0428	Y Maze - White - Rat
7001-0425	Y Maze - Beige - Mouse	7001-0434	Y Maze - Beige - Rat
7001-0423	Y Maze - Clear Walls - Black Floors - Mouse	7001-0432	Y Maze - Clear Walls - Black Floors - Rat
7001-0420	Y Maze - Clear Walls - White Floors - Mouse	7001-0429	Y Maze - Clear Walls - White Floors - Rat
7001-0424	Y Maze - Clear Walls - Beige Floors - Mouse	7001-0433	Y Maze - Clear Walls - Beige Floors - Rat
7001-0426	Y Maze - Clear Walls - Clear Floors - Mouse	7001-0435	Y Maze - Clear Walls - Clear Floors - Rat

T MAZE

Includes: Interchangeable floors (plain and pellet holes) and manual doors at each upper arm and starter door in base leg.

Mouse

(A) 24" (B) 3" (C) 10.5" (D) 15" (E) 5" (F) 3.5" (H) .75" Diam. X .5" Deep

Rat

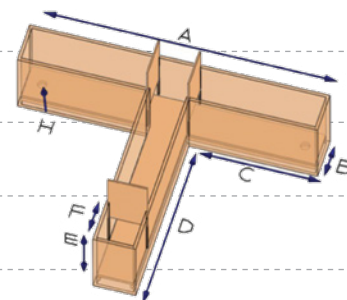
(A) 36" (B) 4" (C) 16" (D) 22" (E) 10" (F) 7" (H) 1" Diam. X .75" Deep

Material Composition

.25" ABS Plastic - solid color mazes, .25" acrylic for clear wall mazes

Color Options

Black, White, Beige or Clear Walls with colored or clear floors



Part Numbers

7001-0404 T Maze - Black - Mouse	7001-0413 T Maze - Black - Rat
7001-0401 T Maze - White - Mouse	7001-0410 T Maze - White - Rat
7001-0407 T Maze - Beige - Mouse	7001-0416 T Maze - Beige - Rat
7001-0405 T Maze - Clear Walls - Black Floors - Mouse	7001-0414 T Maze - Clear Walls - Black Floors - Rat
7001-0402 T Maze - Clear Walls - White Floors - Mouse	7001-0411 T Maze - Clear Walls - White Floors - Rat
7001-0406 T Maze - Clear Walls - Beige Floors - Mouse	7001-0415 T Maze - Clear Walls - Beige Floors - Rat
7001-0408 T Maze - Clear Walls - Clear Floors - Mouse	7001-0417 T Maze - Clear Walls - Clear Floors - Rat

RADIAL ARM MAZE

Includes: Interchangeable floors (plain and pellet holes) and manual doors at each arm.

Mouse

(A) 26.45" (B) 9" (C) 8.45" (D) 3" (E) 5" (H) .75" Diam. x .5" Deep

Rat

(A) 47.86" (B) 18.5" (C) 10.86" (D) 4" (E) 10" (H) 1" Diam. x .75" Deep

Material Composition

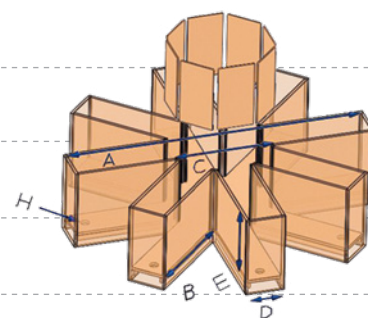
.25" ABS Plastic - solid color mazes, .25" acrylic for clear wall mazes

Color Options

Black, White, Beige or Clear Walls with colored or clear floors

Part Numbers

7001-0440	Radial Arm Maze - Black - Mouse
7001-0437	Radial Arm Maze - White - Mouse
7001-0443	Radial Arm Maze - Beige - Mouse
7001-0441	Radial Arm Maze - Clear Walls - Black Floors - Mouse
7001-0438	Radial Arm Maze - Clear Walls - White Floors - Mouse
7001-0442	Radial Arm Maze - Clear Walls - Beige Floors - Mouse
7001-0444	Radial Arm Maze - Clear Walls - Clear Floors - Mouse
7001-0449	Radial Arm Maze - Black - Rat
7001-0446	Radial Arm Maze - White - Rat
7001-0452	Radial Arm Maze - Beige - Rat
7001-0450	Radial Arm Maze - Clear Walls - Black Floors - Rat
7001-0447	Radial Arm Maze - Clear Walls - White Floors - Rat
7001-0451	Radial Arm Maze - Clear Walls - Beige Floors - Rat
7001-0453	Radial Arm Maze - Clear Walls - Clear Floors - Rat



BARNES MAZE

Made of durable and easy to clean ABS plastic. One target box and 20 false boxes. Top is available in black, white or beige.

Maze Dimensions & No. of Holes

Rat: 48" diameter with 20 - 4" holes Mouse: 36" diameter with 20 - 2" holes

Stand
27.75"

Start Tube

Rat: 9" (L) x 9" (W) x 15" (H) Mouse: 6" (L) x 6" (W) x 8" (H)

Weight

Rat Model: 48 lbs. Mouse Model: 25 lbs

Material Composition

Top: .25" ABS Plastic

Leg: Cast Iron

Boxes: .125" PVC Foam

Color Options

Top: White, Beige or Black

Legs: Black

Boxes: Gray

Part Numbers

7001-0324	Barnes Maze - Black - Mouse
7001-0235	Barnes Maze - White - Mouse
7001-0340	Barnes Maze - Beige - Mouse
7001-0325	Barnes Maze - Black - Rat
7001-0326	Barnes Maze - White - Rat
7001-0341	Barnes Maze - Beige - Rat



OPEN FIELD - CONVERTIBLE

Base	42.875" x 41.875"
Outer Wall Length	39.875" x 39.875"
Wall Height (Inner & Outer)	15"
Inside Chamber Footprint	19.56" x 19.56"

Material Composition

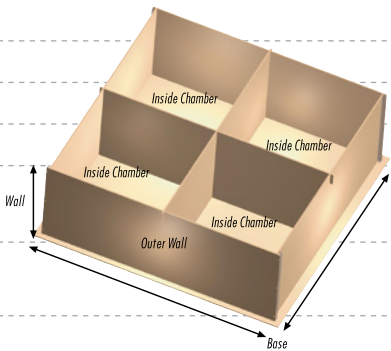
.25" ABS Plastic

Color Options

Black, White, Beige

Part Numbers

7001-0353	Open Field-Convertible- Black
7001-0354	Open Field-Convertible - White
7001-0067	Open Field-Convertible - Beige



OPEN FIELD - SINGLE UNIT

Inside Wall Length

A: 19.685"

Inside Wall Height

B: 15.25"

Material Composition

.25" ABS Plastic

Color Options

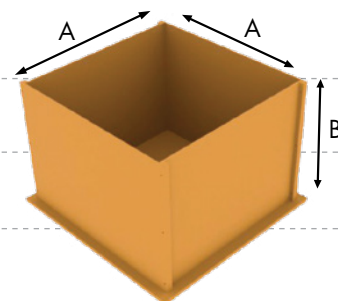
Black, White, Beige

Part Numbers

7001-0355 Open Field - Single Unit - Black

7001-0356 Open Field - Single Unit - White

7001-0357 Open Field - Single Unit- Beige



PLACE PREFERENCE ENCLOSURES FOR USE WITH HUMAN OBSERVATION OR VIDEO TRACKING

(No photobeams and no LED lights in the tops)

PLACE PREFERENCE ENCLOSURE (3 COMPARTMENT)

Inside Dimensions

Overall 27" (L) x 8.3" (W) x 13.5" (H), End Compartments 10.75" (L), Center Compartment 5.5" (L)

Part Number

7500-0241 Place Preference Enclosure (3 Compartment)

PLACE PREFERENCE ENCLOSURE (2 COMPARTMENT)

Inside Dimensions

Overall 27" (L) x 8.3" (W) x 13.5" (H), End Compartments 13.5" (L)

Part Number

7500-0293 Place Preference Enclosure (2 Compartment)

PLACE PREFERENCE ENCLOSURE(COMBO 2 OR 3 COMPARTMENT)

3 compartment Inside Dimensions

Overall 27" (L) x 8.3" (W) x 13.5" (H), End Compartments 10.75" (L), Center Compartment 5.5" (L)

2 compartment Inside Dimensions

Overall 27" (L) x 8.3" (W) x 13.5" (H), End Compartments 13.5" (L)

Part Number

7500-0294 Place Preference Enclosure (Combo 2 or 3 Compartment)

SOCIABILITY APPARATUS

Dimensions

3 equal width compartments: 24" (W) x 16" (D) x 9" (H)

Door Dimension

2" (W) x 3.5" (H)

Stranger Enclosure

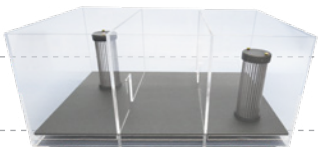
2.75" (D) x .675" (H)

Stranger Enclosure

.125" (D) x .25" (Spacing)

Part Number

7500-0362 Sociability Apparatus



Sociability Apparatus

WATER TEST COMPONENTS

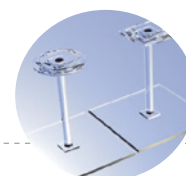


Bulkhead fitting (pre-mounted on tank) provides drain hole with 3/4" FIPT to connect Drain Kit or user supplied drain piping

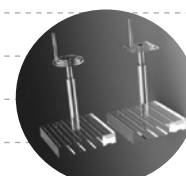
- SDI's Water Maze components include a tank, escape platform and drain kit.
- Sizes for rats and mice are available.
- The water tank is made of durable, high density polyethylene and comes in either white or blue.
- The Escape Platform is available with either a round or square multi-step top in clear acrylic. The Escape Platform includes a dowel rod with colored tape that can be inserted in the top to provide a flag for training.
- The optional drain kit eliminates the need for drain piping.

Morris

7500-0271	Water Maze Platform - Clear Square Top
7500-0274	Water Maze Platform - Clear Round Top
7500-0309	Water Maze Platform Adjustable Height (11" to 22") - Clear Square Top
7500-0310	Water Maze Platform Adjustable Height (11" to 22") - Clear Round Top
7000-0718	Water Rat Tank - 6 ft. - Blue
7000-0723	Water Mouse Tank - 4 ft - White
7500-0217	Water Tank Drain Kit
7500-0392	Water Tank Drain Kit with Pump



Water Maze Platforms Fixed



Water Maze Platforms Adjustable

WATERTIGHT Y MAZE – MOUSE ONLY (Includes: Removable doors)

Mouse

(A) 3" (B) 15" (C) 15" (D) 12" (E) 3.5"

Material Composition

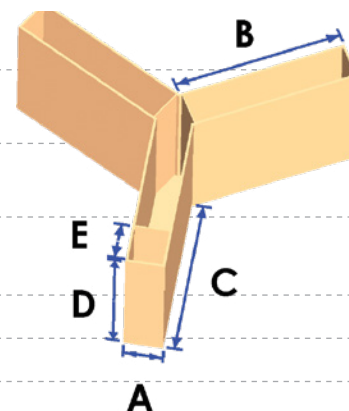
.25" ABS Plastic

Color Options

Black, White, Beige

Part Numbers

7001-0476	Watertight Y Maze - Black - Mouse
7001-0477	Watertight Y Maze - White - Mouse
7001-0478	Watertight Y Maze - Beige - Mouse



WATERTIGHT T MAZE – MOUSE ONLY (Includes: Removable doors)

Mouse

(A) 24" (B) 3" (C) 10.5" (D) 15" (E) 12" (F) 3.5"

Material Composition

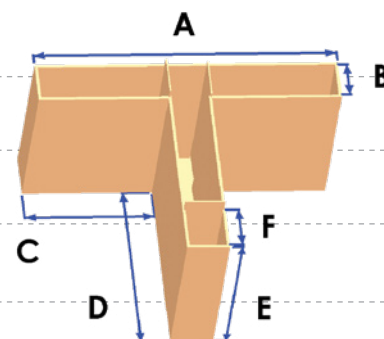
.25" ABS Plastic

Color Options

Black, White, Beige

Part Numbers

7001-0482	Watertight T Maze - Black - Mouse
7001-0483	Watertight T Maze - White - Mouse
7001-0484	Watertight T Maze - Beige - Mouse



WATERTIGHT RADIAL ARM MAZE (Includes: Removable doors)

Mouse

(A) 26.45" (B) 9" (C) 8.45" (D) 3" (E) 12"

Rat

(A) 53" (B) 15.5" (C) 22" (D) 5.5" (E) 24"

Material Composition

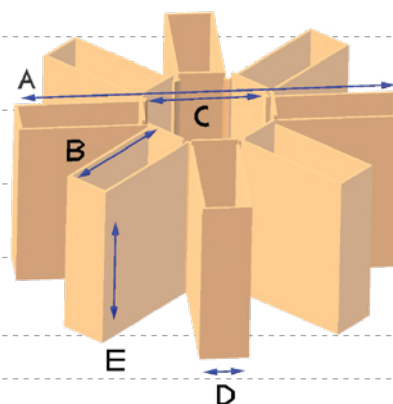
.25" ABS Plastic

Color Options

Black, White, Beige

Part Numbers

7001-0461	Watertight - Radial Arm Maze - Mouse - Black
7001-0462	Watertight - Radial Arm Maze - Mouse - White
7001-0463	Watertight - Radial Arm Maze - Mouse - Beige
7001-0464	Watertight - Radial Arm Maze - Rat - Black
7001-0465	Watertight - Radial Arm Maze - Rat - White
7001-0466	Watertight - Radial Arm Maze - Rat - Beige



WATERTIGHT MAZES ESCAPE PLATFORM (Freestanding platform)

Mouse

2.97" (W) x 2.97" (D) x 6" (H)

Rat

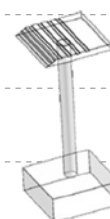
5.47" (W) x 5.47" (D) x 14" (H)

Material Composition

Acrylic – Clear

Part Numbers

7001-0398	Escape Platform for Watertight Mouse Mazes
7001-0399	Escape Platform for Watertight Rat Mazes



CUSTOM MAZES AND ENCLOSURES

San Diego Instruments is always excited to help researchers obtain the specific maze or enclosure needed for their research needs. Whether it is an enclosure for a Pig, a Tri colored maze or a three row Barnes maze we are here to help. Our amazing engineers will work with you through the full process to meet your specifications.

For more information contact sales@sandiegoinstruments.com to start discussing your idea.



Three Row Barnes Maze



Pig Startle Enclosure



Tri Color Wraparound Watertight T Maze

SR-HLAB™



SR-HLAB EMG System



SR-HLAB PEC System

The SR-HLAB Startle Response System for humans measures startle response by recording the eyeblink reflex via electromyographic (EMG) or photoelectric cell (PEC) recording. Intuitive yet powerful features cater to users from the educated non-specialist to the sophisticated behaviorist.

- SR-HLAB is a complete hardware and software solution for a wide variety of startle applications.
- Lightweight system (6 lbs.) transports easily from laboratory to offsite test.
- Option of having EMG electrodes or photoelectric cell (PEC) sensors.
- Point and click software controls cues and response recording.
- USB interface makes laptops available to run the system.
- Protection circuits limit excessive sound.
- Available with optional heart rate sensor.
- Built in impedance meter tests impedance on all electrode pairs simultaneously.

HUMAN TESTING

SR-HLAB™

Eyeblink Conditioning System

ERP-LAB™

Human Testing Combination Systems

2325-0417 **SR-HLAB SYSTEM EMG** (Electromyographic sensing for eyeblink)

2325-0428 **SR-HLAB SYSTEM PEC** (Photoelectric Cell sensing for eyeblink)

OPTIONAL COMPONENTS & ACCESSORIES

7500-0343 EMG Response Module

7500-0344 PEC Response Module(for photo electric cell sensor or heart rate sensor)

7500-0346 Digital I/O Module

2325-0149 Tactile Kit – air puff with user supplied air tank

2325-0253 Portable Airpuff Unit – small compressor supplies air

7500-0198 Slave Mouse

6200-0189 Heart Rate Sensor Unit

6200-0092 EMG Grey Yoke 1 Channel Cable

1900-0009 EMG Disposable Electrodes(3 per pack, min 20 packs)

1900-0011 EMG Disposable Electrodes-Lead Wire Set(red/white/black)

1900-0010 EMG Skin Preparation Abrasive Pads

6300-0900 SR-HLAB Software Version Upgrade

7500-0347 Headset - Fleece Band Infrared Sensor

6300-0903 SR-HLAB Image Display System

EYEBLINK CONDITIONING SYSTEM™



Eyeblink Conditioning System with optional Portable Airpuff Unit

SDI's Eyeblink Conditioning System is used widely in basic learning studies, psychopharmacology research and the examination of the behavioral consequences of Alzheimer's and other diseases. SDI's Eyeblink Conditioning System employs an integrated photoelectric cell with air tube to monitor the eyeblink reflex and deliver the air puff under software control.

- A complete, computer-integrated turn key testing unit for eyeblink conditioning.
- Lightweight system transports easily from laboratory to offsite test facilities.
- USB interface makes laptops available to run the system.
- Point & click software controls cues and response recording.
- Data Reduction screen for analysis and export.
- System adapts for eyeblink conditioning in rabbits and sheep.
- Portable Air Puff Unit with built in compressor is available, eliminating the need for an air tank.

2325-0418

EYEBLINK CONDITIONING SYSTEM

Includes: Tactile Kit – air puff with user supplied air tank

EYEBLINK OPTIONAL COMPONENTS & ACCESSORIES

2325-0253	Portable Airpuff Unit –small compressor supplies air
2325-0149	Tactile Kit – air puff with user supplied air tank
7500-0209	Headset - Fleece Band Infrared Sensor & Air Tube
7500-0347	Headset - Fleece Band Infrared Sensor
7500-0213	Headset - Fleece Bands Only (3 pack)
7500-0220	Visual Indicator Unit
7500-0343	EMG Response Module
7500-0344	PEC Response Module(for photo electric cell sensor or heart rate sensor)
7500-0346	Digital I/O Module
7500-0198	Slave Mouse
6200-0189	Heart Rate Sensor Unit
6200-0092	EMG Grey Yoke 1 Channel Cable
1900-0009	EMG Disposable Electrodes(3 per pack, min 20 packs)
1900-0011	EMG Disposable Electrodes-Lead Wire Set(red/white/black)
1900-0010	EMG Skin Preparation Abrasive Pads
6300-1000	Eyeblink Conditioning System Software Version Upgrade

Ask About
our Rabbit
Eyeblink
Conditioning
System

ERP-LAB™



ERP-LAB System

The ERP-LAB™ System is a scaled down or “light” version of the traditional Evoked Response Potential (ERP) test system offering P50, P300 or Mismatch Negativity. ERP-LAB is designed for neuropsychiatric researchers who are specifically interested in testing already identified landmark areas of the brain.

- EOG and EEG recording and analysis
- Probe sensory and cognitive processes
- User-defined artifact detection and rejection enables online data quality
- Automatic electrode impedance detection
- Lightweight system transports easily from laboratory to offsite test facilities
- USB interface makes laptops available to run the system

2325-0419	ERP-LAB SYSTEM
	ERP-LAB OPTIONAL COMPONENTS & ACCESSORIES
7500-0344	PEC Response Module (for photo electric cell sensor or heart rate sensor)
7500-0346	Digital I/O Module
6200-0189	Heart Rate Sensor Unit
6200-0092	EMG Grey Yoke 1 Channel Cable
1900-0009	EMG Disposable Electrode (3 per pack, min 20 packs)
1900-0011	EMG Disposable Electrodes-Lead Wire Set (red/white/black)
1900-0010	EMG Skin Preparation Abrasive Pads
6300-1100	ERP-LAB Software Version Upgrade

HUMAN TESTING COMBINATION SYSTEMS

The three human testing systems SR-HLAB, Eyeblink Conditioning and ERP-LAB use the same hardware thus they can be offered as combination systems. In a combination system all software is included to allow the user to switch between test types. All the requisite response and stim modules are included. Other modules are included as required based on the selection of an Optional Component or Accessory from the lists following the individual systems.

2325-0420	SR-HLAB SYSTEM/EYEBLINK CONDITIONING SYSTEM Includes: Stim Module, EMG Response Module, PEC Response Module, EMG Electrodes, Fleece Head Band with PEC sensor, Tactile Kit, SR-HLAB software and Eyeblink Conditioning Software.
2325-0421	SR-HLAB SYSTEM/ERP-LAB SYSTEM Includes: Stim Module, 2-EMG Response Modules, 2 sets of EMG Electrodes, SR-HLAB software and ERP-LAB Software.
2325-0422	EYEBLINK CONDITIONING SYSTEM/ERP-LAB SYSTEM Includes: Stim Module, 2-EMG Response Modules, 1-PEC Response Module, 2 sets of EMG Electrodes, Fleece Head Band with PEC sensor, Tactile Kit, Eyeblink Conditioning Software and ERP-LAB software.
2325-0423	SR-HLAB SYSTEM/EYEBLINK CONDITIONING SYSTEM/ERP-LAB SYSTEM Includes: Stim Module, 2-EMG Response Modules, 1-PEC Response Module, 2 sets of EMG Electrodes, Fleece Head Band with PEC sensor, Tactile Kit, SR-HLAB Software, Eyeblink Conditioning Software and ERP-LAB software.

TEST ACCESSORIES

TEST ACCESSORIES

2325-0129

AIRSTIM UNIT

This unit can deliver puffs of air through left, right or both outputs under hardware control. Unit requires an input air supply. Maximum input and output pressure is 60 PSI(414 kPa). Connectors on the back allow four different types of triggers.

7500-0207

AIRSTIM AIR DELIVERY TUBES

Metal tubes with multiple air holes. Two tubes per set.



2325-0130

AIRSTIM UNIT WITH SOFTWARE CONTROL

This unit can deliver puffs of air through left, right or both outputs under software control. The software is included with the unit. The unit requires an input air supply. Maximum input and output pressure is 60 PSI(414 kPa). Connection is via USB to the computer.

2325-0370

PORTABLE AIR PUFF UNIT

This unit contains a small compressor making the unit freestanding and portable. Maximum air pressure is 15 psi(103 kPa) and maximum duration is 0.5 seconds. The triggering of the air puff and duration is done by a switch closure.

2325-0371

PORTABLE AIR PUFF UNIT WITH SOFTWARE CONTROL

This unit contains a small compressor making the unit freestanding and portable. Maximum air pressure is 15 psi(103 kPa) and maximum duration is 0.5 seconds. The triggering of the air puff and duration is software controlled based on a user defined script. USB connection to the computer.

2325-0360

ANIMAL STIMULATOR

This unit is designed to stimulate animals as part of training prior to testing. The stimuli are light, sound and shock. The presentation of the stimuli and duration is controlled by a user defined software script. USB connection to the computer. Software is included.



Animal Stimulator

2325-0124

PROGRAMMABLE ANIMAL SHOCKER

The SDI programmable Animal Shocker is a multi-function, solid state unit that administers controlled scrambled shock across 8 outputs. The shocker is designed to be used with grid floors. The shocker triggers the shock via a 5V TTL signal. An 8 conductor cable is included with one end being bare wires.



Programmable Animal Shocker

2325-0358

SHOCK LEVEL TESTER

The Shock Level Tester simplifies the verification of shock levels being delivered to the grid floors of various San Diego Instruments products. Shock delivery is scrambled to the grid floors thus a simple multi-meter will not be able to measure the shock level.



Shock Level Tester

SDI GENERAL INFO

TO REQUEST A QUOTE OR PLACE AN ORDER

San Diego Instruments offers several convenient ways to get a quote or order:

- To get a quote online: sandiegoinstruments.com then click Get A Quote tab
- To get a quote or order by email: sales@sandiegoinstruments.com
- To get a quote or order by phone: 858-530-2600
- To get a quote or order by fax: 858-530-2646

TO SPEAK WITH A SPECIALIST

Our pre-sales consultation process is designed to ensure that you purchase the right system for your unique research demands. The choice among system configurations can be a complex one. We want to hear about your study so that we may best assist you with the decision. If you have any questions or would like to speak to one of our specialists about your specific needs, please call: 858-530-2600

TO LEARN MORE ABOUT SDI BEHAVIORAL TESTING SYSTEMS

Our website offers a complete source of product information including features and benefits, technical specifications, data sheets, scholarly citations and product overview presentations. To access and download this information, please visit: www.sandiegoinstruments.com

SDI SYSTEMS UPGRADE OPTIONS

For older PCI systems, please contact San Diego Instruments to determine if your system can be supported, expanded and/or upgraded to USB interface.



Designed by Scientists for Scientists

MINIMUM COMPUTER REQUIREMENTS (LAPTOP OR DESKTOP)

Windows 10 computer system with USB connection. Minimum disk and memory size specified to support Windows 10 are acceptable.

TERMS OF SALE

All San Diego Instruments' products are subject to software, firmware and design copyrights and trademarks. Please refer to your User's Manual for restrictions on duplication and other usage of San Diego Instruments' products.

WARRANTY

One-year factory warranty on all parts and labor. Missing parts must be reported within 30 days of receipt to be covered under warranty. Please refer to San Diego Instruments' Warranty Statement for details.

DISCLAIMER

The equipment described in this catalog is designed for research and educational applications and is not intended for the diagnosis, alleviation, treatment, monitoring or prevention of disease, injury or handicap.



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

© 2022 San Diego Instruments. All rights reserved. Prices and specifications may be changed without notification.