



**DE LA ROSA
RESEARCH**

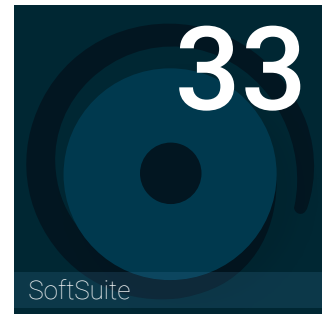
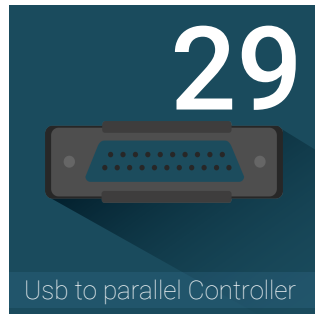
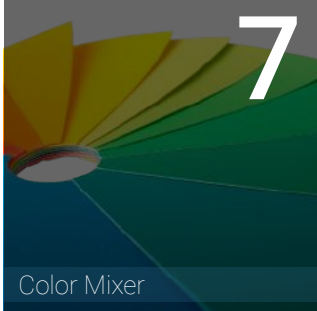
PRODUCT CATALOGUE 2021



This is our bussines, but this is aslo what make us happy.
Everyday, we work im each detail as carefully as we can, making sure
everything is it's place and looking for a better way to improve our results.

We enjoy our work, we enjoy making things functional and beatifull.
This book embrace all or happines, for you to enjoy it with us.

De La Rosa Research Team



Color Mixer

Model 13010A



DETAILS

The Color Mixer is used to demonstrate how the eye combines color surfaces. This basic Color Mixer was designed specifically for the classroom. The color wheel spins the included paper color disks at speeds varying from 0 to 2350 RPM. The 5-inch wheel is marked with degrees so that varied proportions of color can be spun for different effects. The drive motor operates smoothly and quietly. The replacement color disk set, model 13111A, includes 19 precut 114 mm colored paper disks.

APPLICATION

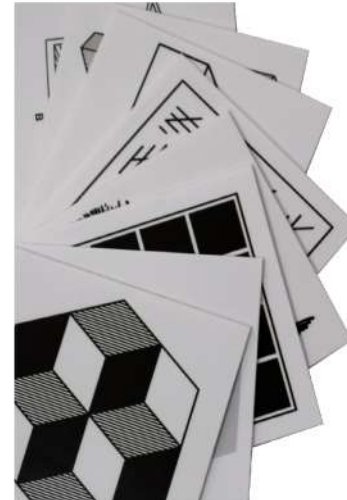
Colors are formed in two different ways, either by reflection (subtractive colors) using chromatic dye mixes or by white light diffraction (additive colors), using filters or prisms. This system demonstrates the subtractive color formation using calibrated color disks. Disks are placed in a rotary disk plate for accurate RPM and color disk percentage selection. The system provides a way to accurately make chromatic mixes and rotate them at different RPMs to observe color changing, effects of mixing different disks arrays and the introduction of different variables to observe their effect in color perception. Rotational speed can be easily changed using the smooth action rotary encoder. Experimenter may choose to provide control to subjects or to set the system at a desired speed. Computer control of rotational speed is also possible via the software that will be released by last part of 2013. Start, Stop and Speed functions can also be set using stimulus software, as E-Prime from PST and Observer from Noldus, among others for experiment synchronization.



MATERIALS	Stainless steel, aluminum, HDPE, and plexiglass
DIMENSIONS	Height: 17 in. wide: 13 in. Deep: 15 in.
CURRENT	105/125V AC 50/60 Hz
WEIGHT	Approximately 4 kg
PORTS	USB (B), for serial communication
MOTOR'S SPEED	0-2350 RPM
CONTROLS	LCD and keypad control
HANDLES	Ergonomic handles for easy carrying

The Illusionator Set

Model 14015A



DETAILS

The Illusionator Set is used to study visual illusions. A very unusual assortment of visual illusion cards may be used with the AA86829 Illusionator. This optical illusion set allows demonstration of depth, angle, tilt, movement and color illusions. The unit contains a low speed motor (0-7 RPM) for trapezoid rotation illusion, and a high speed motor (200-2350 RPM) for visual effects disks which create color illusions in black and white, after-images, rotating spiral, zig-zag, and others. The Illusionator Set is excellent tool to be used for any student demonstration or by students in a laboratory.

APPLICATION

Visual illusions represent one of the major focuses in basic psychology courses (sensation and perception). This field was the scope of many renowned psychologists and forefathers of modern psychological science, such as: Hermann Von Helmholtz, Wilhelm Wundt, Max Wertheimer, and Kurt Koffka, among many others. Students will learn about perception; color formation through retinal image and pattern-induced flicker colors (Fechner Colors), 3D illusion through shadows and movement of a single plane and apparent rotation invert through rotational frequency (Ames trapezoid), and other visual illusions using this simple-to-use device. The Illusionator Set has two independent RPM motors (Low and High RPM) to observe disks both at high revolutions and low revolutions. The Illusionator Set also includes classical illusion cards as Ponzo, Poggendorf, Müller Lyer and reversible figures, among others. Recommended both for Advanced High School Psychology courses and Basic Sensory and Perception courses at the university level.

MATERIALS	Stainless steel, aluminum, HDPE, and plexiglass
DIMENSIONS	Height: 17 in. wide: 13 in. Deep: 15 in.
POWER SOURCE	105/125 Volts AC 60 Hz - 220 Volts 50Hz. Medical grade power source.
WEIGHT	Approximately 8 kg
PORTS	USB (B), for serial communication
MOTORS	Two (2)
MOTOR'S SPEED	Window illusion 1.5 - 18 RPM
CONTROLS	LCD and keypad control
ILLUSIONS	12 Squares in a package, 7 disks and 1
INCLUDED	Window included

Singerman Color Mixer

Model 13015A

DETAILS

The Singerman Color Mixer is used to demonstrate light mixing. Three independent 1.6 Million Color RGB LEDs are included to allow illustrations of primary colors, false primaries, contrast effects, complementary colors, and shadows. The Singerman Color Mixer consists of a light-tight case with a large milk-glass screen, computer controlled individual RGB LEDs for three-stimulus color presentation through the milk-glass screen. The system can present RGB, CMYK (matched to RGB), HSB and calibrated R, G, and B colors, all selectable from computer software.

APPLICATION

Colors are formed in two different ways, either by reflection (subtractive colors) using chromatic dye mixes or by white light diffraction or refraction (additive colors), using filters or prisms. This system demonstrates the additive color formation using RGB lights and color wheel color formation through light. Color perception is one of the main topics in sensory and perception classes. This system corresponds to a new redesign of an old but beloved classic in the study of psychology.

The lightweight body contains three calibrated RGB smart LED arrays capable of producing 24 bit, 1.6 million colors $(16.777.216) \times 3$. This state-of-the-art equipment is suitable for demonstrations on color perception. The system is portable and computer controlled for flexibility and accuracy.



MATERIALS	Stainless steel, aluminum, HDPE, and plexiglass
DIMENSIONS	Height: 28 in. Wide: 12 in. Deep: 8 in.
CURRENT	5 VCD (through USB port) at 180mA (3 LED at full bright)
WEIGHT	Approximately 7 kg
PORTS	USB (B), for serial communication
ELECTRIC BULB	120V 25W
CONTROLS	LCD and keypad control
HANDLES	Ergonomic handles for easy carrying

Depth Perception Apparatus

Model 14012A



DETAILS

APPLICATION

The Depth Perception Apparatus tests depth perception acuity. Depth perception is the ability to see the world in three dimensions. Depth perception allows an observer to judge the distance among several objects, identifying which ones are closer or farther away; or the distance between the observer and the object.

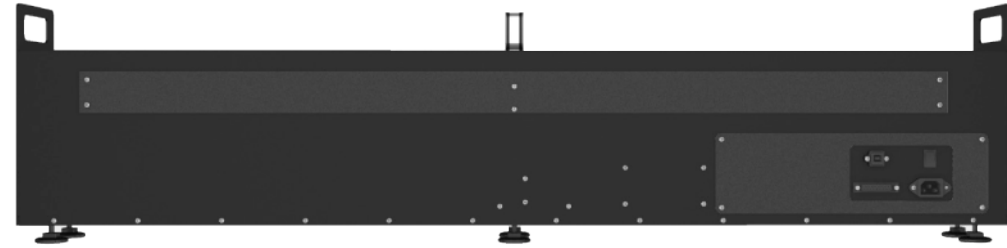
In addition to being aesthetically appealing, the Depth Perception Apparatus is the state-of-the-art in sensation and perception measurement technology. It is feature-packed, and provides high performance, unparalleled functionality, superior accuracy, ease-of-use, and expandability. The Depth Perception Apparatus is the embodiment of technical perfection, and the vision of an experienced psychologist.

Good depth perception is critical and essential to people who engage in certain occupations, trades, or professions, e.g., airplane and helicopter pilots, crane operators, bus drivers, athletes, etc. Since good depth perception is so important to these professions, testing devices that can determine the quality of an individual's depth perception are essential for employment selection processes. Furthermore, the Depth Perception Apparatus can be found in hundreds of psychology laboratories worldwide, where they are used for research, as well as demonstrations for sensation and perception classes.

MATERIALS	Stainless steel, aluminum, HDPE, and plexiglass
DIMENSIONS	Height: 11 in. wide: 10 in. Deep: 27 in.
CURRENT	10 amps / 220 - 110Volts 60Hz
WEIGHT	Approximately 17 kg
PORTS	USB (B), for serial communication
ACCURACY	0-2350 RPM
CONTROLS	LCD and keypad control and joystick
HANDLES	Ergonomic handles for easy carrying

Linear Movement Apparatus

Model 31202A



DETAILS

APPLICATION

The Linear Movement Apparatus can be used for motor learning tasks and assessing temporal or spatial memory. This device has been used in motor learning and neuroscience studies, and motor skill evaluation. The Linear Movement Apparatus consists of an optical encoder that accurately measures the switch displacement. The subject moves the superior switch located in a cube at a specified distance or speed without external clues. To evaluate the subject's ability to judge these dimensions, an LCD readout displays the distance and time in which the switch in the cube is moved. This unit employs highly accurate electronic position encoders.

The system measures time estimation, speed and distance; basic for aviation personnel, professional drivers and high performance athletes.



MATERIALS	Stainless steel, aluminum, HDPE, and plexiglass
DIMENSIONS	Height: 12 in. wide: 10 in. Deep: 7 in.
POWER SOURCE	2 amps / 220 - 110 Volts 60Hz. Medical grade power source.
WEIGHT	Approximately 11 kg
PORTS	USB (B), for serial communication
ACCURACY	5 microns - 1 millisecond
PORTS	USB (B), for serial communication
CONTROLS	LCD and keypad control Easy-to-read-LCD display
HANDLES	Ergonomic handles for easy carrying

Card Sorting Box

Model: 20011A



DETAILS

APPLICATION



MATERIALS	Stainless steel, aluminum, HDPE, and plexiglass
DIMENSIONS	Height: 11 in. Wide: 5 in. Deep: 4 in.
CURRENT	10 amps / 220 - 110 Volts 60Hz
WEIGHT	Approximately 7 kg
PORTS	USB (B), for serial communication
ELECTRIC BULB	120V 25W
CONTROLS	LCD and keypad control
LCD SCREENS	9 LCD screens that allow changing numbers on each time
HANDLES	Ergonomic handles for easy carrying

The Card Sorting Box is a test designed to measure total execution time, reaction and movement time, and attention span. Additionally the equipment can measure sustained attention and concentration through continuous performance task, attentional interference tasks and verbal working memory tasks. The test requires a complex set of skills, such as visual-motor coordination, attention and performance in following of instructions.

This device has been used to follow motor learning progress which required rapid recognition and hand-eye coordination. This new system revision can also be used to evaluate attention (single stimulus), divided attention (multiple stimuli), continuous attention (Continuous performance test), attentional interference test (word-number-color interference) and working memory test (as a measure of short term & attention performance).

Daqphibian

Model 2017-1



DETAILS

APPLICATION

With daqphibian, collecting outdoors or simply "out-of-the-lab" Bio-signals has never been easier. Just connect and start recording. No difficult or time-consuming setups. Daqphibian was designed to work indoors or outdoors, it can be used as a desktop, indoors or as an outdoors system that can even work underwater (Yes, it is IP67 sealed unit and can be used by swimmers, divers or other subjects where underwater data acquisition or continuous one is required), it can also be used in environments with high level of dirt or dust like the swamp, jungle, or even hot or cold deserts.

- Academic demonstrations (low-cost option available - really tough design).
- Indoors and Outdoors Research (comparative studies).
- Professional Bio-signals Research (High-grade signals).
- Military Research (Army, Navy, Airforce, etc).
- Aquatic Research (Rescue teams, Coast guards).
- Law Enforcement Research.
- Aerial - Terrestrial and Aquatic environments related Research.
- Human-Computer Interface Research.
- Sports and Field related environments Research.

MATERIALS	Ultra - High Resistance polymer
DIMENSIONS	high 160.02 / width 13.71
BATTERY	ion - litio 700 mAh
DAQ	10 to 24 bits* /1000Hz
PORTS	EMG EDA - ECG I/O - EEG
WATERPROOF	IP 69
CONTROLS	LCD and keypad control
LCD SCREENS	9 LCD screens that allow changing numbers on each time
HANDLES	Ergonomic handles for easy carrying

Light Discrimination Apparatus

Model 14011A



MATERIALS	Stainless steel, aluminum, HDPE, and plexiglass
DIMENSIONS	Height: 16 in. wide: 11 in. Deep: 17 in.
POWER SOURCE	105/125V AC 50/60 Hz - 220V AC 50/60 Hz. Medical grade power source.
WEIGHT	Approximately 5 kg
PORTS	USB (B), for serial communication
STIMULUS	2 X Warm light High intensity LEDs.
LAMPS	3500K CCT (3220K-3710K),CRI: Minimum 80 (X2) Typical 85 (X2). Flux 67-80, 160-120 degrees of viewing angle.
CONTROLS	LCD and keypad control

DETAILS

The Light Discrimination Apparatus illustrates the various psychophysical methods used in visual discrimination, such as limits, average error, and constant stimuli, among others. By watching the two 1.375"-diameter light stimuli as the examiner adjusts light intensity, the subject must determine whether lights have equal intensity or one of them is brighter than the other. The subject or examiner can independently vary the intensity of each stimulus. Light stimulus use calibrated high intensity LEDs. Therefore, relative differences between the two stimuli are very low and highly reliable.

APPLICATION

Light discrimination is a crucial ability in daily live, mainly to artists, photographers, illumination technicians, and movie directors. It is also a critical ability among pilots, air traffic controllers and firefighters, among others. The subject task is to judge whether two calibrated stimuli lights match or differ. The system provides a LUX measurement for each light that allows the evaluator or researcher to obtain a good measurement of the light discrimination accuracy. This design equipment concept is also a great tool for classroom demonstrations or experimental labs, and highly recommended for demonstrations in psychology (sensory and perception), physiology and other related courses.

O'clockit-RT

Model 000



DETAILS

APPLICATION

• Sensor for marking of times: Takes the start times of the stimulus and the Response time of the user, is composed by 2 sensors of light and 1 sound.

- Response Inputs:
 - touch screen
 - Sound Sensor
 - Mouse

The O'Clockit-RT is a precise timing device - interface that record time for cognitive experiments software, that works independently from the operating system, which allows precision in the obtaining time process.



MATERIALS

Aluminium materials with black microtexturized electrostatic paint finish, translucent acrylic and PLA printed components.

DIMENSIONS

24 high, 34 long, 4 width

PORTS

3 hub 250 mA enabled for connecting elements such as a mouse, keyboard, etc.

SPEED

Minimum 1ms of precision

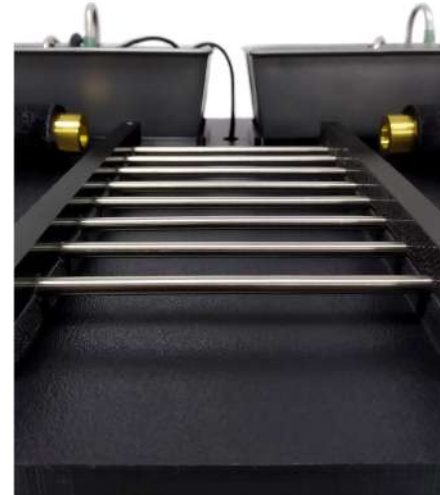
COMPATIBILITY

USB 3.0 Compatible

updated

The Quality Cutaneous Sensitivity Kit

Model 000



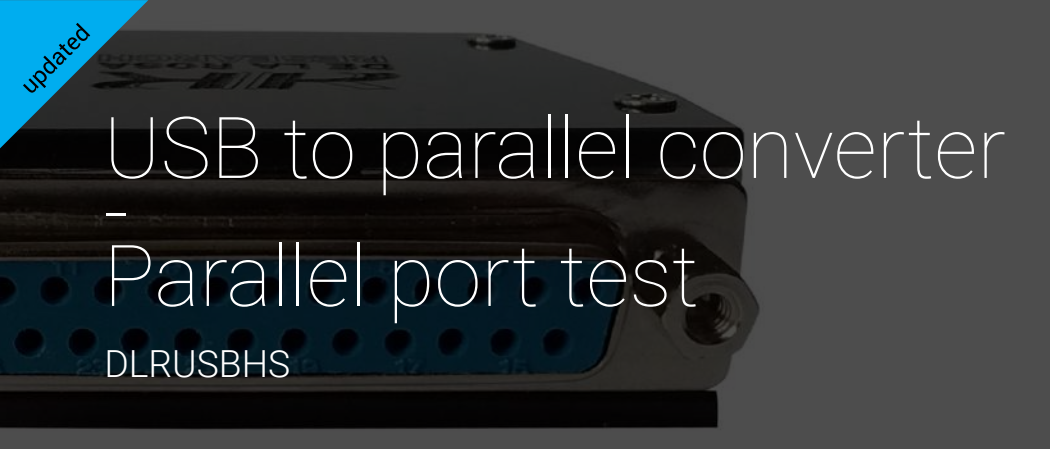
MATERIALS	Stainless steel, 16 gauge aluminum, HDPE, Stainless steel tubes
DIMENSIONS	43 x 35
VOLTAGE	Works to 110-220 AC
TEMPERATURE CONTROL	Cools water to 30°C Heats water to 100°C
MAXIMUM FLOW	200 L/H
ELECTRIC BULB	LCD and keypad control
TURN ON	lit independently for each temperature control system

DETAILS

APPLICATION

The Quality Cutaneous Sensitivity Kit has been designed for rugged laboratory use and provides all necessary materials (except blindfold) for studies in heat sensitivity, cold sensitivity, touch sensitivity, and pressure sensitivity the required apparatus for the above studies as all housed in convenient attaché case fitted with molded polyfoam to restrain and protect each unit. All or any of the following studies may be conducted with this kit.

Tactile kit contains all items necessary for the study of heat and cold sensitivity, touch sensitivity, and pressure sensitivity. This unit, designed for use in the student laboratory, includes temperature cylinders, paradoxical heat grill, aesthesiometers, thermometer, immersion heater, carrying case, instructions, and sample experiments.



updated

USB to parallel converter

Parallel port test

DLRUSBHS



DETAILS

The USB to parallel converter is a precise timing device - interface that makes part of the O'clockit-RT family system and it is used to communicate the stimulus presentation computer with external devices, emulating parallel port output for events marking.

This device uses "USB to parallel controller" proprietary software to enable parallel port communication. Additionally, the software and hardware are compatible with stimulus presentation software as E-prime®, Paradigm®, PsychoPy, and Tscope® among others.

APPLICATION

- USB 2.0 Hi-Speed (480Mbps/Second) and Full Speed (12Mbps/Second) compatible.
- Transfer data rate: up to 8 Mbyte/Sec.
- Windows 32/64 bits compatible

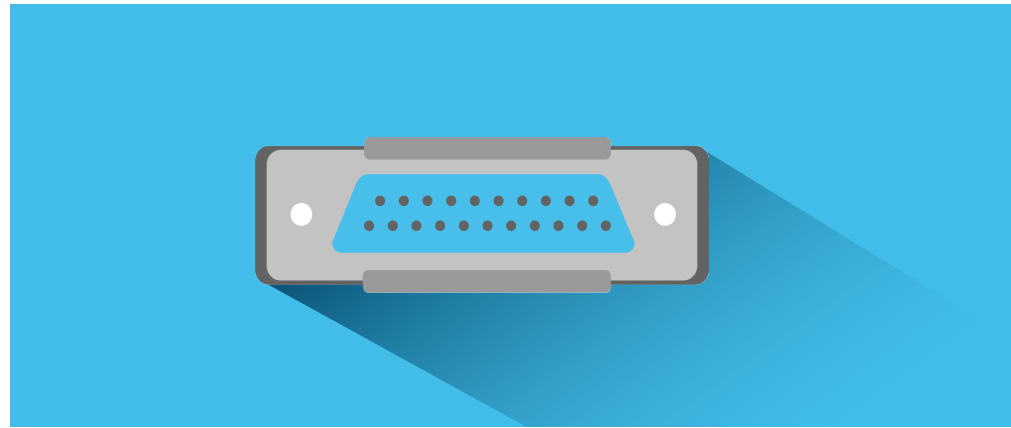


- ▶ **CONVERTER**
 - Speed: 8 Mbytes/sec
 - Maximum output current: 16 mA
 - 5 Volts TTL
 - Compatible USB 2.0
 - Dimensions: 2 high, 6 long, 3,5 width
 - Materials: Acrylic black 2 mm
3D impression PLA

- ▶ **TESTER**
 - It has light indication of the exits of the port.
 - Dimensions: 2 high, 6 long, 3,5 width
 - Materials: Acrylic black 2 mm
PLA 3D Printing

Usb to parallel Controller

Model: 2017-0.x



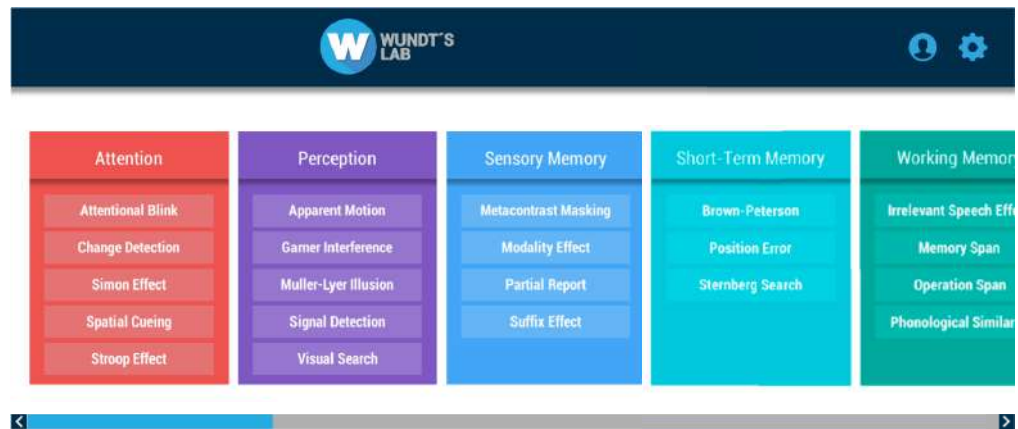
DETAILS

SPECS

The USB to parallel device needs an initial settings in some cases to be allowed to receive data as Asynchronous mode - BIT BANG mode and only with its own configuration cannot be possible. The USB to Parallel Controller enables this communication and makes it possible to work with it.

- Os: Windows xp/vista/7/8/10.
- minimum ram: 2gb
- Disk Space: 30mb





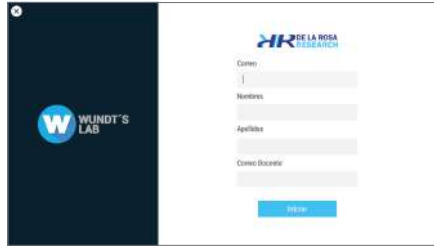
DETAILS

Wundt's Lab is a software of classic experiments in psychology, it is a tool that gathers several classic experiments of attention, perception, memory, among other areas of the psychology.

Wundt's Lab™ is available for Windows 10 and Mac operative system. The new web platform was created to manage the licensment processes faster and easier, including the new academic licenses. With this update you can access to the new licensment plans and the new online sync features.

APPLICATION

- **MODULES:** Wundt's Lab contains 13 modules, 46 experiments in areas such as: attention, perception, memory among others.
- **TESTS:** Each test evaluates the cognitive skills of the user.
- **RESULTS:** At the end of each experiment the user will be able to observe their results with time, phase, and compare their responses with the correct ones.
- **CONTENT:** Wundt's Lab contains instructions, help, and export of results.
- **USB CARD:** Installation Card The USB card contains Wundt's Lab installer ready to be run on your computer.



Resultados 19 de 20 Correctos

Índice	Respuesta usuario	Respuesta correcta
1	Misma	Misma
2	Diferente	Diferente
3	Misma	Misma
4	Diferente	Diferente
5	Misma	Misma
6	Diferente	Diferente
7	Misma	Diferente
8	Misma	Misma
9	Misma	Misma

MODULES	13 modules
EXPERIMENTS	46 experiments
AREA	<ul style="list-style-type: none"> • Attention • Perception • Visual Sensation • Sensory Memory • Short - Term Memory • Working Memory • Memory Process • Metamemory • Imagery • Speech & Language • Concepts • Judgement • Auditory Sensation

Software Suite

Model: 2.x



DETAILS

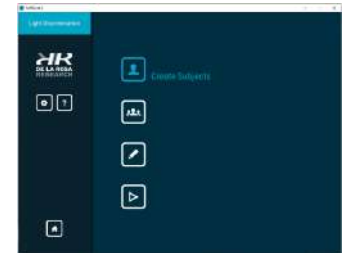
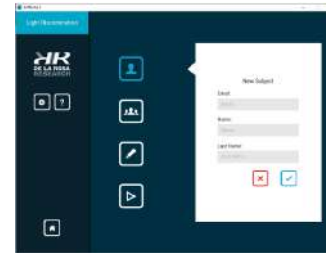
SPECS

This device contains only the following experiments

- Light Discrimination
- Depth Perception Apparatus
- Illusionator set Controller
- Color Mixer A Controller

- Os: Windows xp/vista/7/8/10.
- minimum ram: 2gb
- Disk Space: 88mb
- Required internet connection

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Resultados					346 of 346 Correct
Name (ms)	Left value (ms)	Right value (ms)	Left value (ms)	Right value (ms)	
804	128	0	1	7808	
809	128	0	1	7808	
919	128	0	1	7808	
831	128	0	1	7808	
944	128	0	1	7808	
962	128	0	1	7808	
877	128	0	1	7808	
992	128	0	1	7808	
1009	128	0	1	7808	
1039	128	0	1	7808	
1042	128	0	1	7808	
1048	128	0	1	7808	

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DR DE LA ROSA
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PRODUCT
CATALOGUE **2021**