

RAT TOUCH SCREEN CHAMBER

Description:

Lafayette Instrument Company is proud to introduce its new Rat Touch Screen Chamber. Using our unique modular chamber design combined with some of the leading software in cognitive assessment, the new chamber provides space to perform both cognitive and operant experiments. Modular panels covering one side of the chamber allow customers to customize and position levers, pellet feeders, stimulus lights, and more. The opposing side is completely covered by a touch screen monitor with a protective layer allowing for the largest possible stimulus presentation/response area. A total of four IR beams across the bottom of the grid floor provide feedback about the rat's lateral movement as well as screen approach. The chamber is controlled through Lafayette Instrument's versatile ABET II hardware and Whisker's Control system. Users may run predefined test batteries from RatBat (Touchscreen training, Reversal learning, Delayed matching,...) or create their own.



- IR floor sensors for detecting rat lateral movement as well as screen approach
- Pellet reward with report tray
- · Standard house/cue light
- · Customizable modular panels for a variety of tasks
- · ABET II hardware allows both cognitive and operant conditioning experiments with same system
- · Wisker Control system for behavioral research by Cambridge University
- · Test batteries from RatBat or user created

Dimensions:

- Overall: 23.5"L x 13.5"D x 10.375" H* (59.7 x 34.3 x 26.35 cm)
- Animal work space: 12"L x 10.25"D x 7.9"H (30.5 x 26.0 x 20.0 cm)
- Monitor viewing area: 10.25"W x 7.9"H (26.1 x 20.1 cm)
- Grid Rod Floor: 0.188" (4.775mm) rods on 0.610" (15.494 mm) centers.
- Gap between rods 0.422" (10.72mm)

Materials:

- · Grid Rods and Pan: Stainless Steel
- · Door, Back and Top: Polycarbonate
- · Channel Supports and Filler Panels: Anodized Aluminum
- Base: Easily cleaned 3/8" (9.53mm) matte-textured non-toxic polymer









MOUSE TOUCH SCREEN CHAMBER, MODEL 80014TS

Same as the new Rat Touch Screen Chamber in a smaller size.

Dimensions:

• Overall: 19.4"L x 13.5"D x 10.1" H* (49.3 x 34.3 x 25.7 cm)

Animal work space: 8.0"L x 7.3"D x 5.5"H (20.3 x 18.5 x 14.0 cm)

Monitor viewing area: 7.0"W x 4.75"H (17.8 x 12.1 cm)

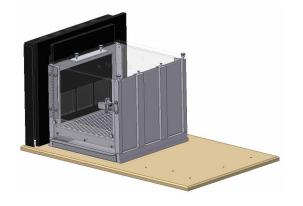
Materials:

Floor and Pan: Stainless Steel

· Door, Back and Top: Polycarbonate

· Channel Supports and Filler Panels: Anodized Aluminum

• Base: Easily cleaned 1/2" (12.7 mm) matte-textured non-toxic polymer



ABETII FOR TOUCH SOFTWARE, MODEL 89505

Description:

Lafayette Instrument Company has been dedicated to designing creative products to meet the rigorous standards of quality, flexibility and ease of use expected by our customers for over 60 years. The original Animal Behavior Environment Test (ABET) System has done just that for the past 15 years.

There are several interface systems and behavioral control software packages on the market, however, only ABET II offers a system that can be user customized and programmed with no programming experience. Every effort has been made to make this easy enough to use for those with minimal operant conditioning experience, yet powerful enough to run complex schedules

for the experimental analysis of behavior. If you can conceptualize your experiment in a flow chart or a spreadsheet, you can create the conditions and actions needed for virtually any scheduled task. The following components are provided.

- · Environment Designer
- · Schedule Designer
- Execution Manager
- · Data Viewer

Virtual Interface

The Virtual Interface is a duplicate of the environment that you have in your lab. You can now create, review, and test schedules and you can review or analyze lab data in a more convenient setting. Pass schedules and data to and from your lab either by a network connection or any removable media. ABET II also includes convenient backup and restore utilities.

