

# CATALEPSY TEST CHAMBER

## USERS MANUAL

**DOC-158**

**Rev. 1.2**

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## CHAPTER 1

### *Introduction*

The standard bar test is widely used to assess catalepsy in rodents. The MED Associates Catalepsy Test Chamber features elevated rods that can be easily changed out in a modular fashion. The four included rods range in size from  $\frac{3}{16}$ " to  $\frac{1}{2}$ " in diameter. The height of the rods is also adjustable from 1.75" above the floor to 8.75" above the floor, in one-inch increments.

The Catalepsy Test Chamber measures 14  $\frac{1}{2}$  inches long, 8  $\frac{1}{2}$  inches wide and 10 inches high. It also features a rugged solid stainless steel floor. This prevents the animal from slipping on grid rods, which can be a problem when cataleptic animals are placed on grid rod style floors.

Electronic contacts are established using quick-disconnect type fixtures. The cage floor can be sanitized, and is cage-washer-safe (tested at 180° F with acid detergent). The electronic interface box can be removed from the catalepsy box, so that the entire chamber can be placed in a cage washer (Refer to Chapter 4, Cleaning Precautions). This greatly facilitates cleaning and sanitizing of chambers at the end of a session.

## CHAPTER 2

### *Hardware setup*

1. Select the desired rod diameter and rod height.

*Figure 1 – Included Rod Sizes*

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2. Align the holes in the ends of the rod with the holes in the chamber walls.
3. Secure the rod in place by threading the included thumbscrews through the holes in the side of the chamber and into the rod.

## CHAPTER 3

### *Wiring Instructions*

1. Locate the end of the chamber with the ENV-003-250 Catalepsy Detector, shown in Figure 2.

*Figure 2 – ENV-003-250 with Properly Connected Chamber Cable*



2. The chamber cable connects to the **To Catalepsy Contact** port on the ENV-003-250, as shown in Figure 2. This cable has two wires, a black wire that terminates with a female spade connector and a red wire that terminates with a forked connector.
3. Connect the black wire to the male spade connector that is protruding from the bottom right corner of the end of the catalepsy chamber.

- Loosen one of the thumbscrews that are holding the rod in place and insert the forked connector between the chamber wall and the screw head, as shown in Figure 3. Retighten the thumbscrew.

*Figure 3 – Forked Connector in Place Between the Chamber Wall and Screw Head*



- Using the included SG-216A cable, shown in Figure 4, connect the **To MED Input** port on the ENV-003-250 to any available Input on a standard MED Connection Panel.

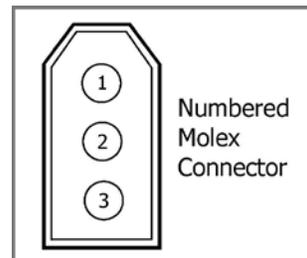
*Figure 4 – SG-216A Cable*



- The ENV-003-250 Catalepsy Detector will generate an output when the animal's forepaws are on the rod and hindpaws are on the floor. Once contact with the rod is broken, the output will be turned off.

**ENV-250 Output Connector**

Molex Pin #	Function	Wire Color
1	28V Ground	Black
2	Operate	White
3	+28 Volts	Red



## **CHAPTER 4**

### ***Cleaning Precautions***

**NOTE: Be sure to remove the ENV-003-250 Catalepsy Detector from the Catalepsy Chamber prior to cleaning.**

Remove the ENV-003-250 Catalepsy Detector by grasping it firmly and pulling it away from the chamber and down. It is safe to place the chamber itself in a cage washer.