

CONTACT LICKOMETER CONTROLLER

ENV-250/ENV-250B/ENV-250C

USER'S MANUAL

DOC-126

Rev. 1.6

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notes

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CHAPTER 1 | OVERVIEW

The ENV-250 is a contact lickometer controller with a 28 VDC controlled MED output. Input impedances of up to 10 mega-ohms are possible with a subject current of only 0.3 micro-amps. The ENV-250B and ENV-250C contain two and three of the ENV-250 circuits respectively, and may be used for lick preference studies in a single test chamber. These lickometer controllers are not directly suitable for aversive stimulation suppression.

Figure 1 – ENV-250

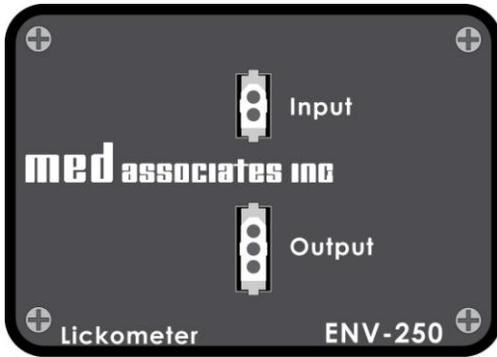


Figure 2 – ENV-250B

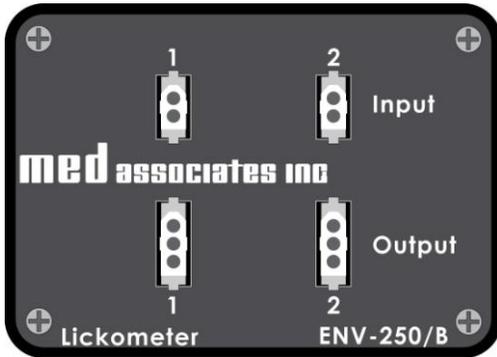
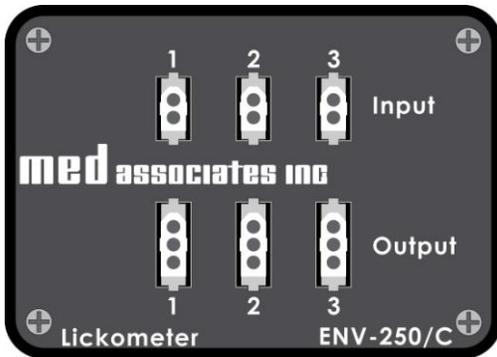


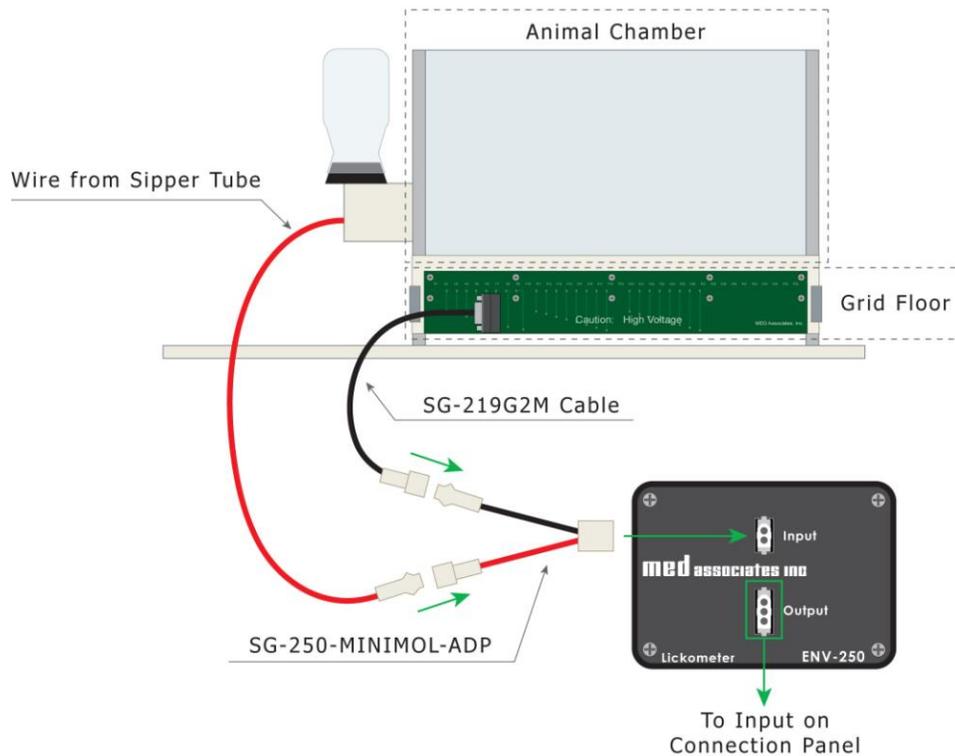
Figure 3 – ENV-250C



CHAPTER 2 | WIRING INSTRUCTIONS

ENV-250 Wiring Instructions

Figure 4 – ENV-250 Wiring Diagram



Input Connector Pinout

Connect an SG-250-MINIMOL-ADP cable to the Input connector on the ENV-250. This cable terminates with red cable and one black cable, as shown in Figure 5. The black cable should be connected to the SG-219G2M Grid Floor cable. The red cable connects to the cable on the sipper tube. Refer to Figure 4.

Molex Pin #	Function	Wire Color
1	28V Ground	Black
2	Operate	Red

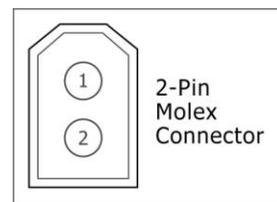
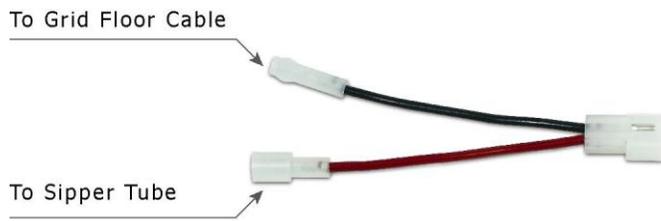


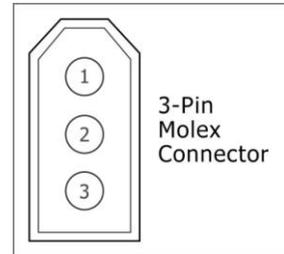
Figure 5 – SG-250-MINIMOL-ADP Cable



Output Connector Pinout

Using the included 3-pin Molex cable, the ENV-250 Output should be connected to the desired Input on the Standard Interface Panel.

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



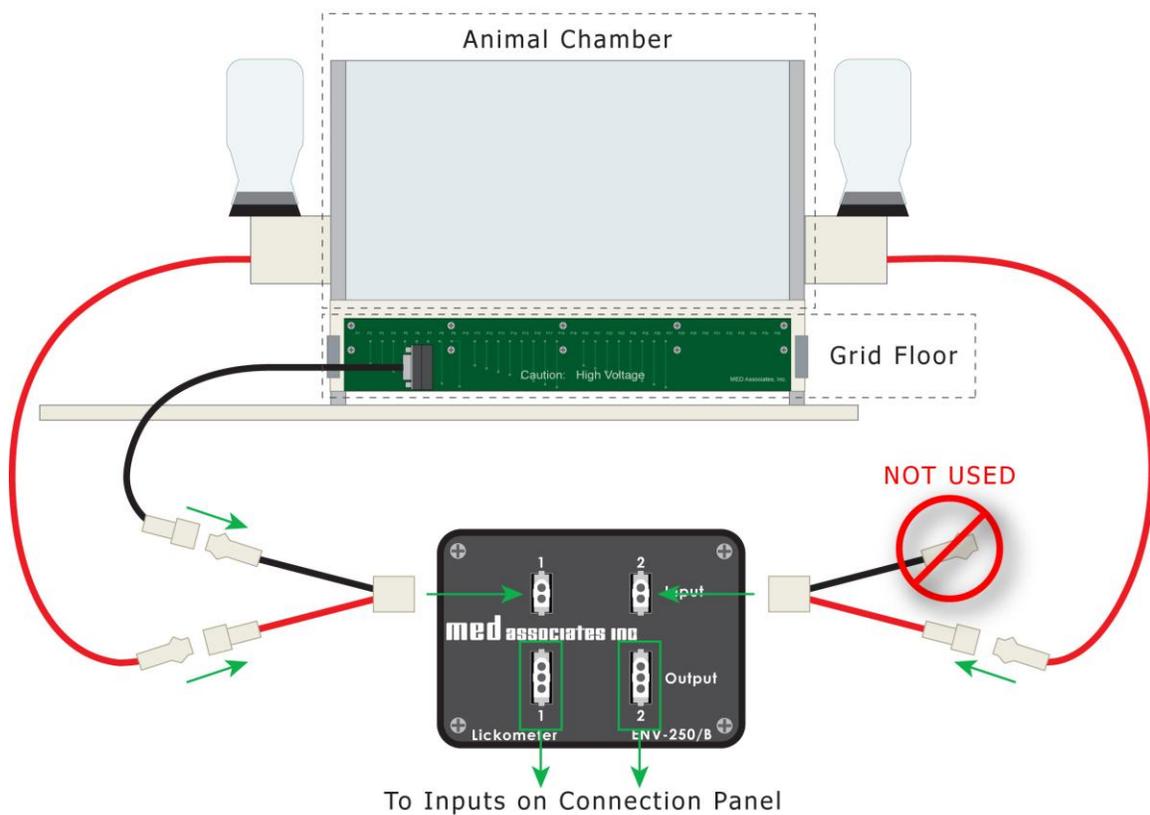
ENV-250B and ENV-250C Wiring Instructions

Chambers with two or three sipper tubes should be wired as shown below in Figure 6. In the example shown below, two sipper tubes are connected to an ENV-250B. The first sipper tube is connected to Input 1 and Output 1 on the ENV-250B as described in the ENV-250 Wiring Instructions section of this manual.

The second sipper tube is connected to Input 2 as shown below in Figure 6. Connect an SG-250-MINIMOL-ADP cable to Input 2 on the ENV-250B. The red cable connects to the second sipper tube. The black cable is not used. Using the included 3-pin Molex connector, connect Output 2 to the desired Input on the Standard Interface Panel.

If an ENV-250C is being used, a third sipper tube can be connected in the same manner. Again, the black cable on the SG-250-MINIMOL-ADP will not be used.

Figure 6 – ENV-250B Wiring Diagram



CHAPTER 3 | OPERATION

An Output is generated when the subject contacts both the grid floor and the sipper tube. The output is connected to 28V ground. This output from the ENV-250 can be counted as a response by connecting it to an Input on the MED-PC[®] Interface System.

Appendix A | Contact Information

Please contact MED Associates, Inc. for information regarding any of our products.

Visit our website at www.med-associates.com for contact information.

For technical questions, email support@med-associates.com.