

MOUSE ACTIVITY WHEEL

WITH HOME CAGE

ENV-3046

USER'S MANUAL

DOC-115

Rev. 1.2

Copyright ©2013
All Rights Reserved

Med Associates Inc.
P.O. Box 319
St. Albans, Vermont 05478

Phone: 802.527.2343
Fax: 802.527.5095
www.med-associates.com

notes

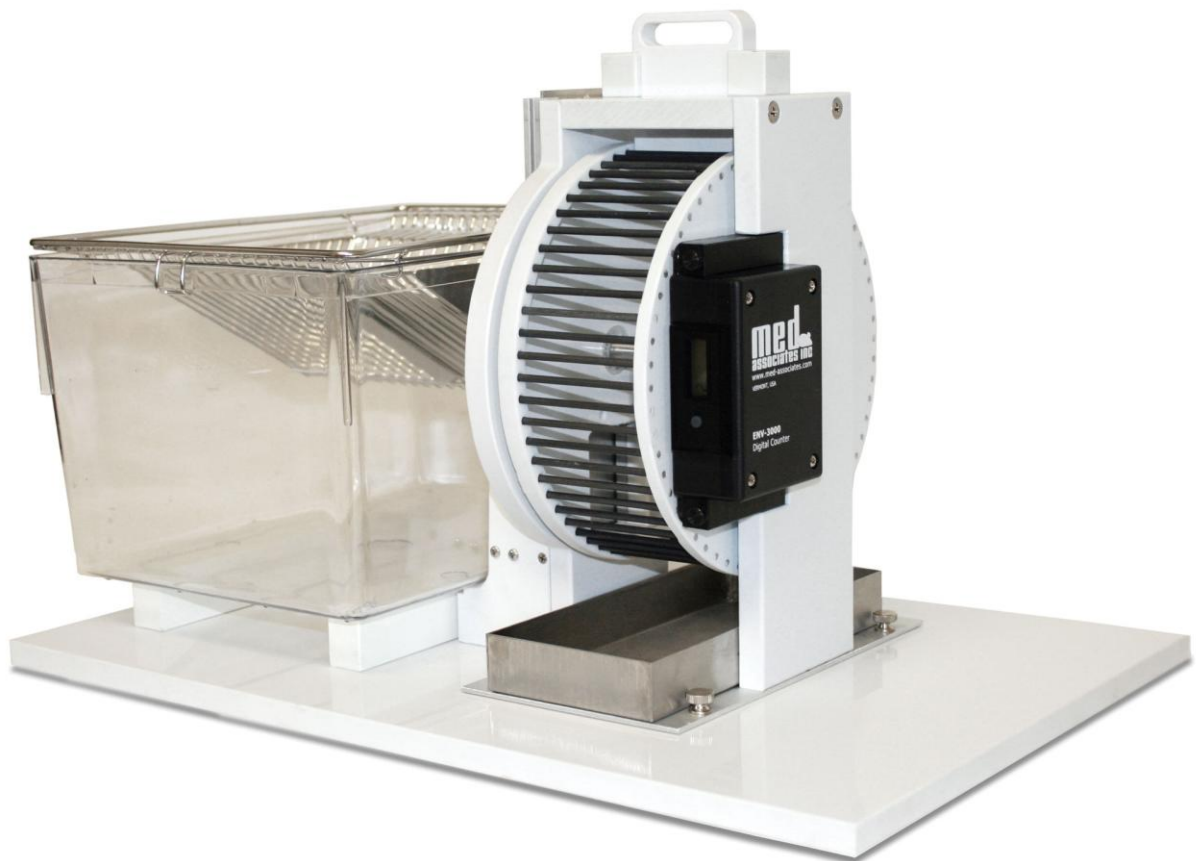
Table of Contents

Chapter 1 Introduction	1
Chapter 2 Connections.....	2
Count Connector	2
Chapter 3 Operating Instructions	3
Brake.....	3
Count Display.....	3
Chapter 4 Cleaning the Wheel.....	4
Appendix A Contact Information.....	4

CHAPTER 1 | INTRODUCTION

The ENV-3046 Activity Wheel system includes a home cage which is separated from the entrance of the activity wheel by a manually operated guillotine door. The ENV-3046 Activity Wheel also has a manual brake for locking the wheel.

The magnetically triggered digital counter is connected to any Med Associates connection panel for automated data collection.



CHAPTER 2 | CONNECTIONS

Figure 2-1 –Digital Counter



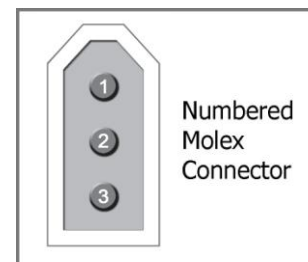
Count Connector

The count connector is a male 3-pin mini-Molex that connects to any Input port on a MED control panel.

The pin assignment for this connector is as follows:

Figure 2-2 Digital Counter Connector Pinout

Molex Pin #	Function	Wire Color
1	28V Ground	Black
2	Normally Open Switch Contact	White
3	Not Used	



CHAPTER 3 | OPERATING INSTRUCTIONS

Brake

The brake is set by pressing down on the brake handle until it locks onto any rod on the activity wheel. This allows the animal to enter the wheel while restricting the ability to run. Pull up on the handle to release the brake.

Figure 3-1 – Brake Control



Count Display

Figure 3-2 – Count Display



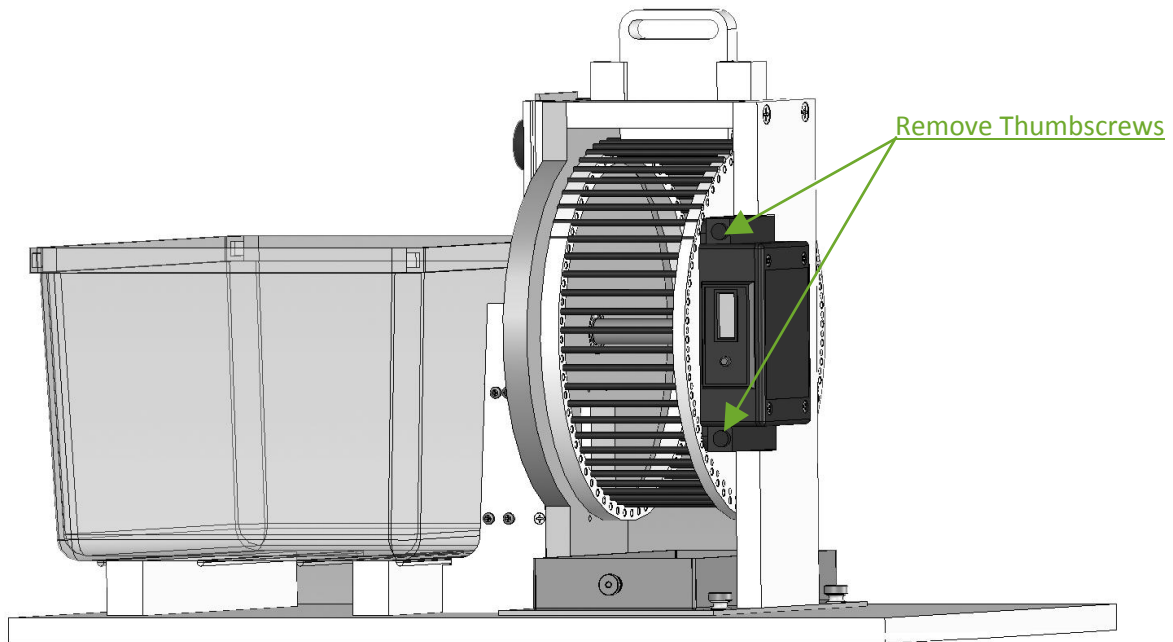
The digital counter increments once for every quarter turn of the wheel. It also provides an output to the count connector. To reset the counter, depress the button located on the face of the counter.

CHAPTER 4 | CLEANING THE WHEEL

It is recommended that the digital counter be removed prior to cleaning. Once the digital counter is removed, the unit is completely washable. The unit may be cage washed at temperatures not in excess of 180°. Only the waste pans may be autoclaved.

The digital counter is easily removed from the unit by unscrewing the two thumbscrews on the side of the box (see Figure 4-1).

Figure 4-1 – Removing the Digital Counter Thumbscrews



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.