



Lab Animal Metabolism Monitor: Oxymax - CLAMS

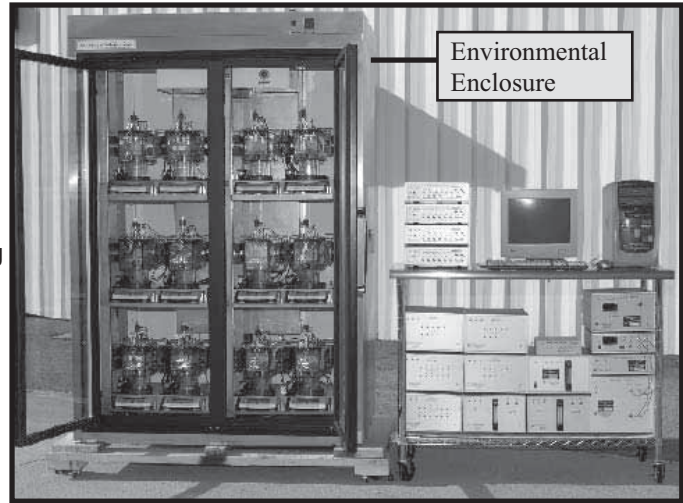
The Columbus Instruments Oxymax - **CLAMS** (**C**omprehensive **L**ab **A**nimal **M**onitoring **S**ystem) is a versatile device for monitoring metabolic performance of mice and rats. Customers choose from a selection of sub-systems that allow for the measurement of these possible parameters:

- **VO₂/VCO₂ & RER**
- **Food Intake**
- **Drinking Volume**
- **Urine Production**
- **Body Mass**
- **Breaths / Minute**
- **Animal Activity**
- **Yoked and/or Paired Feeding**
- **Core Temp. & Heart Rate**
- **Running Wheel Activity**
- **Optional Environmental Enclosure**

For more information:

Email: clams@colinst.com

Phone: (614) 276 - 0861 ext. 131

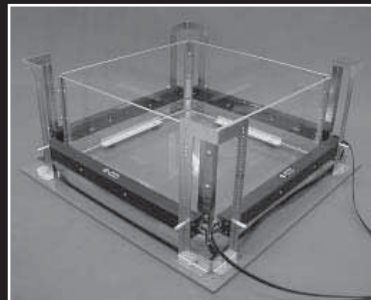


Environmental Enclosure

Animal Activity Monitor

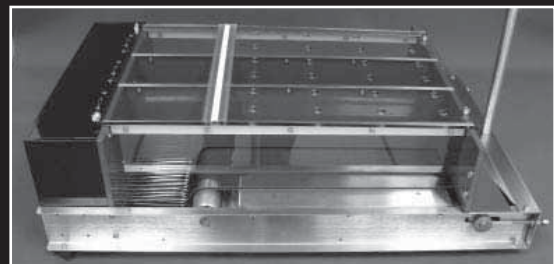
The Columbus Instruments Auto-Track Activity Meter presents the **ultimate flexibility** for measuring in home or special cages. Measures these parameters:

- **Distance Traveled**
- **Path of Movement**
- **Ambulatory Movement**
- **Stereotypic Movement**
- **Rearing (Vertical)**
- **Rotations**
- **Open Field**
- **Hole Poke**
- **Light / Dark**
- **Time-In-Square**

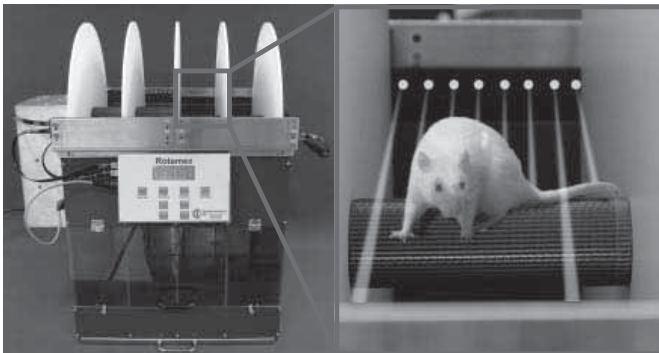


Animal Treadmill

The Exer 3/6 Treadmill provides 6 mouse lanes or 3 rat lanes for general purpose exercise. Speed is adjustable from 2-102 m/min and acceleration is programmable in 0.1 m/min steps per second. Available with or without electric stimulus or optional stimulus detection system.



Rota-Rod: Rotamex-5

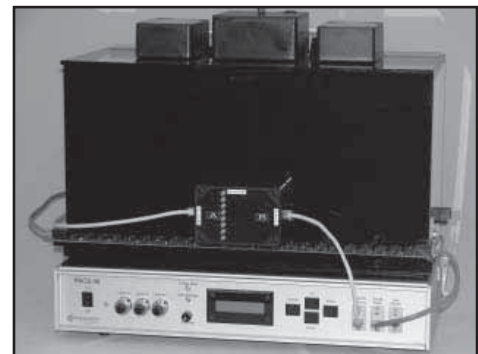


The Rotamex-5 measures coordination in up to four mice or rats by recording the latency to fall from a spinning rod. Key features include:

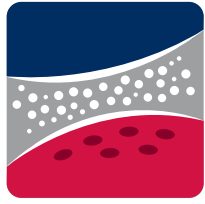
- **Reports latency time to fall for each subject**
- **Reports rod speed in RPMin. or in cm/sec.**
- **Adjustable speed from 0-99.9 RPMin.**
- **Fully adjustable acceleration 0.1-20 RPMin/sec.**
- **Fall detection by photocells above the rod**
- **Detection of passive rotation (looping) in mice**

Passive & Active Avoidance:

PACS-30 is an automated system used for testing of passive and active avoidance behavior:



- **LED Light Stimulus: white light adjustable between 0-150 Lux**
- **Sound Stimulus: adjustable frequency & volume between 200-13,000 Hz in 100 Hz steps at 70-115 dB**
- **Shock Stimulus: True Constant-Current adjustable between 0-1000 µA**
- **Includes Lux Meter and Decibel Meter for calibration**
- **Photocell detection of transfers**



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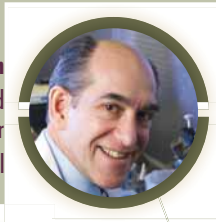
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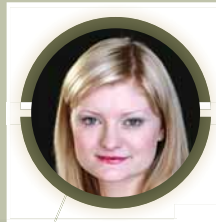
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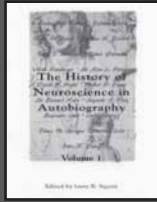
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Autobiographical Video (Available in DVD Format)

PBS personality Richard Thomas interviews eminent senior neuroscientists who reflect upon their lives, their dreams, and their work, and share their insights on what's ahead in the field of neuroscience.

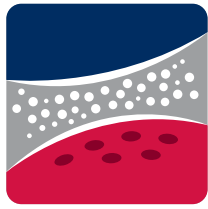
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