Columbus Instruments, LLC
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Rotamex-5

Four Lane Rotarod

Coordination Testing in Rats and Mice

Rotamex-5 offers four lanes of testing for either rats or mice. Automatic fall detection is implemented within each lane by a series of photocells placed above the rotating rod, eliminating errors of fall detection.

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Four Lane Rotarod

Customizable Rod Speed Tailor the rod's rotation speed with options for constant or accelerated modes. Specify speed in either RPM or linear units (cm per second). Customize acceleration increment and interval to match your experimental requirements.

Precise Latency Detection Detect fall latency with an impressive 0.1-second temporal resolution.

Accurate Rotation Rate at Fall Resolve the rate of rotation at the moment of fall to 0.1 RPM and 0.1 cm/second.

Comprehensive Display Analyze all essential data, including latency and rod speed at fall, is clearly displayed for each of the four lanes.

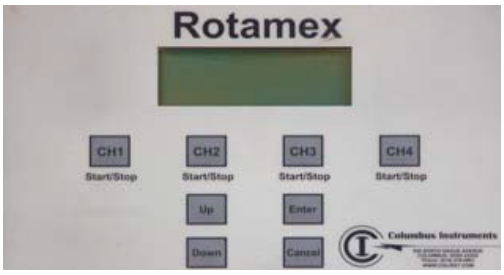
Effortless Data Transfer Relay all data to your computer via USB, conveniently stored in an easily importable CSV formatted file for streamlined analysis.

Remote Operation Enjoy the convenience of remote operation through your data collection program. Operate and access all capabilities and data from your connected PC via USB and included software.

Standalone Capability Operate independently once configured, providing flexibility in your experimental setup.

Product Features

The drum texture is critical to the proper operation of a rotarod. The Rotamex-5 employs a special surface treatment for optimal grip and easy cleaning.



A fully sealed membrane switch control panel completely eradicates the potential for fecal and urine contamination. Waste materials are conveniently channeled into a stainless steel catch basin, streamlining the cleaning process.

The top-mounted photocell enables the passive rotation detection when the mouse grasps the rod and completes a full loop. The software records the loop duration independently of the time it takes for full disengagement from the rod.