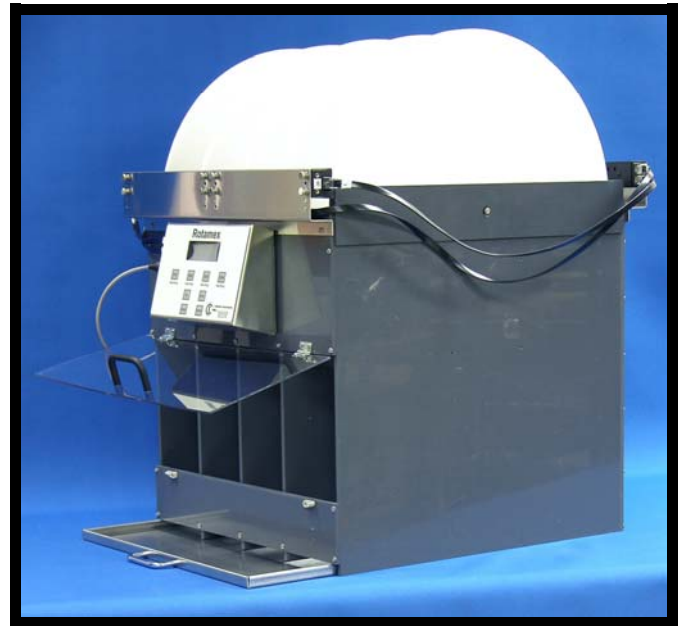


Rotamex-5

Four Lane Rotarod

for

Coordination Testing in Rats and Mice

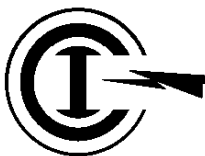


Rotamex-5 is Columbus Instruments most current offering for coordination testing in small lab animals. Rotamex-5 offers four lanes of testing for either rats or mice. Automatic fall detection is implemented within each lane by a series of photocells placed above the rotating rod. Photocells placed above the rod eliminate issues involving an animal tail that might otherwise trigger a detected fall in error.

The speed of the rotating rod is programmed by the operator for either constant or accelerated modes. Rod speed can be specified in either terms of rotations (RPM) or in linear terms (cm per second).

Latency to fall is detected with 0.1 second temporal resolution. Rate of rotation at time of fall is resolved to 0.1 RPM or 0.1cm/second. Both latency and rod speed at time of fall are presented on a display for each of the four lanes. When operated in accelerating mode, Rotamex-5 allows entry of acceleration increment and interval over which the acceleration should occur.

All data is relayed to an attached computer by RS-232 and stored in a simple ASCII formatted file for importation by data analysis tools. Additionally, Rotamex-5 allows remote operation from the same data collection program.



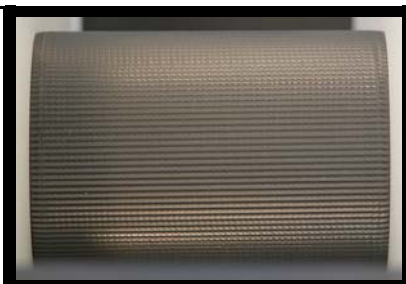
C o l u m b u s I n s t r u m e n t s

Toll Free [US]: (800) 669-5011 Tel: (614) 276-0861 Fax: (614) 276-0529

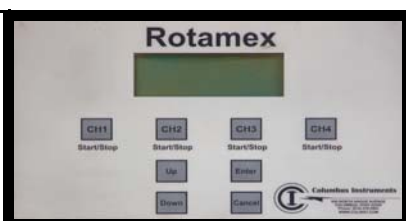
Email: sales@colinst.com WebSite: www.colinst.com

Features of Rotamex-5

Drum Texture is critical to the proper operation of a rotarod. Columbus Instruments employs a special surface treatment that provides adequate grip as well as ease of cleaning.



A completely sealed membrane switch control panel eliminates any possibility of fecal and urine contamination.



A clear Lexan covering prevents animal escape after having fallen into the catch basin area.



Collection of waste material into a stainless steel catch basin facilitates cleaning.

Physical Characteristics of Rotamex-5

Overall Dimensions:

Length:	25"	(63.5cm)
Width:	23"	(58.4cm)
Height:	27"	(68.6cm)

Lane Width:	3.625"	(9.3cm)
Diameter of rod for rats:	2.75"	7cm
Diameter of rod for mice:	1.18"	3cm
Fall Distance for Rats:	19"	(48.3cm)
Fall Distance for Mice:	18.25"	(46.3cm)
Distance between photocell detectors:	0.5"	(1.27cm)
Number of photocells per lane:	7	

Ordering Information:

0890R Rotamex-5 Rotarod for Rats
0890M Rotamex-5 Rotarod for Mice

Rotamex-5 Software



Rotamex-5 provides on-board diagnostics for assistance with GLP validation of instrument performance prior to each run.



All operational capabilities and data collection may be remotely handled from a connected PC by way of an optional serial port and included software. Once configured, Rotamex-5 may be un-tethered from the PC and operated stand-alone. While connected to a PC, Rotamex-5 will store all data in an ASCII formatted (Comma Separated Variable) data file that may be imported for analysis and/or printing.



Columbus Instruments

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