

Rotarod - 3001

Rotarod



EPCC / PRODUCTS / APPLICATION / SOFTWARE / ACCESSORIES / CONSUMABLES / SERVICES

Analytical Technologies Limited

An ISO 9001 Certified Company

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►► **PRODUCT INTRODUCTION**

To evaluate drug effect on motor coordination, balance and motor learning in rodents

Rotarod test is widely used to evaluate drug effects on motor coordination, balance and motor learning in rodents. The principle of this test is that rats or mice are first trained to walk on a rod rotating at a certain speed.

Once the animals have learned this, the effect of a test-compound on their motor performance is evaluated. Animals experiencing impaired motor coordination are unable to cope with the rotating rod and will drop off when the rotation speed exceeds their motor coordination capacity. When the animal drops from rod safely into its own lane, the time latency to fall is automatically recorded.

Orchid's Rotarod is controlled by an advanced microprocessor which provides precise timing control and accurate speed regulation. Rotation can be electronically set at a constant speed (2 to 60 RPM) using a dial on the front panel.

►► **FEATURES**

- Same instrument can be used for mice as well as rat just by changing the rotor.
- Five Lanes.
- Mechanical detection of fall.
- Individual lane timers (0-9999.9s) with resolution of 0.1s.
- Electronic rod speed adjustment- constant speed (2 to 60rpm).
- Software for real time data transfer.
- Easy replacement of rotor.

►► SYSTEM SPECIFICATION & MODELS

Specification	Models
	Rotarod 3001
Number of Lanes	Five
Speed	2 to 60rpm
Timer	0-9999.9s (resolution-0.1s)
Rotor Specifications	Mice rotor- 30mm diameter
	Rat rotor- 60mm diameter
Lane Width	75 mm
Height to Fall	For Mice: 285mm
	For Rat: 300mm
Display	LCD
Material of Composition	Methacrylate, Aluminium
Certifications	CE Compliant
Power Requirements	220/230V AC 50Hz & 110/120V AC 50-60Hz*
Overall Dimensions (LxWxH)	570mm X 300mm X 590 mm

*Needs to be specified in order information

►► ORDERING INFORMATION

Model	Accessories
Rotarod 3001	Basic Instrument-1, Mice Rotor-1, Rat Rotor -1, Tools for Assembling, Software for Data Transfer, RS 232 Cod-1, RS232 to USB Convector-1.

HPLC Servicing, Validation, Trainings and Preventive Maintenance :

HPLC Servicing :HPLC Servicing : We have team of service engineers who can attend to any make of HPLC promptly @the most affordable cost.

Trainings :We also take up preventive Maintenance to reduce downtime of HPLC's Trainings.

AMC's/CMC :AMC's/CMC :We offer user training both in-House and at customer sites on HPLC principles, operations, trouble-shooting.

Validations :Validations :We have protocols for carrying out periodic Validations as per GLP/GMP/USFDA norms.

Instruments :Instruments :We offer instruments/Renting Services Modules like pumps,detector etc. on Rent.



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Our Products & Technologies



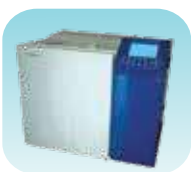
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DSC/TGA



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Analytical Foundation is a nonprofit organization (NGO) found for the purpose of:



Analytical
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3. ANALYTICAL FOUNDATION aims to DETOXYFY human minds,souls and body by means of yoga, Meditation, Ayurveda, Health Care, Awards, Media, Events, Camps etc.



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