

Panlab Rota Rod

Study a Broader Experimental Range
with New Speed and Rocking Protocol



- Flexible experimental reach for sensitive motor coordination, endurance and fatigue resistance studies
- Observe a more extensive range of performance deficits
- Intuitive user interface to easily change modes, adjust speed, and create protocols for maximum functionality

Gold standard Rota Rod for motor coordination assessment



LE8305 Combined Rat/Mice Model

As a behavior scientist, you know the importance of flexibility and sensitivity in your lab equipment to obtain the meaningful data requisite to the success of your preclinical research.

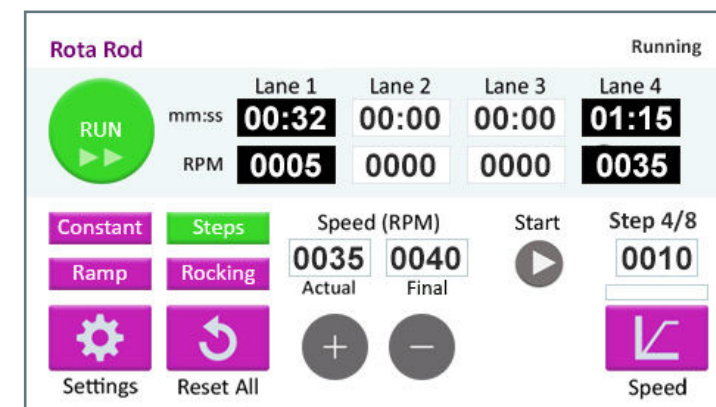
Whether you are part of a behavior core supporting multiple research groups, working in a phenotyping lab or studying animal models with fine motor disability diseases, you can count on Panlab for best-in-class, preclinical, behavior laboratory equipment.

Our industry-leading Rota Rod is a first choice by thousands of scientists throughout the world. Already cited in thousands of published research articles, this instrument provides an easy way to test the effects of drugs, brain damage, or diseases on motor coordination or fatigue resistance in rodents.

Panlab Rota Rod—Now with Speed and Rocking Protocol

Responding to the evolving needs of the global, behavior research community, we recently added a speed and rocking protocol to our renowned Rota Rod. This new functionality allows for even better observation of performance deficits, including many not typically detected via more common measurements using constant speed and acceleration.

The extended speed range (2 to 90 RPM) combined with the expanded acceleration mode settings, speed protocols and rocking modes, make the experimental reach of the Rota Rod exceptionally flexible.



LE8355 Large Rat Model

Key Features

- NEW Speed Protocol and Rocking Modes
- NEW Speed Range (2 to 90 RPM)
- NEW Cover Option for Mice
- Constant Speed and Acceleration (ramp) Modes
- Intuitive, Touchscreen User Interface
- Convertible Rota Rod— Mouse to Rat/Rat to Mouse
- Mechanical Fall Detection
- Individual Lane Timers

Parameters Measured

- Animal latency to fall
- Rotation speed when fall occurs

Included Items

- Rota Rod unit with integrated control panel
- Cylinder for mice, rats or both depending on your model
- Extension hood for rats (only LE8305, LE8505, and LE8355)
- Cables and connectors
- Certificate of calibration
- Instruction manual
- 2-year warranty

Options

- SEDACOM software
- NEW cover for mice only (LE8205 and LE8505)

Robust Functionality— Yet Easy-to-Use

Simply place the animal on the rotating lane on the Rota Rod, and start the timer. When the animal drops safely into its own lane, the time latency to fall (minutes and seconds) and rotation speed are automatically recorded. A removable upper separator for rat models prevents interference between animals running in adjacent lanes.

An advanced microprocessor provides precise timing control and ultra-accurate speed regulation. Electronically set rotation at a constant speed (2 to 90 rpm) or select acceleration rates at defined times (2 to 5999 sec, 1 sec increments). Acquired data is automatically saved in a table format by lanes/trials.

The touchscreen allows clear visualization of timing and speed for each lane. Easily change modes, adjust speed, and create protocols—right from the main screen for greater flexibility with maximum functionality. The new cover option helps confine the animals if they fall off the rod.



NEW Mice Cover

SPECIFICATIONS

Model	Base Unit Dimensions mm (inch) (W x D x H)	Total Height mm (inch)	Fall Height cm	Lane Width mm (inch)	Drum Diameter mm (inch)	Rod Diameter mm (inch)	Extra Hood Height mm (inch)
LE8205	362 x 240 x 375 (14.25 x 9.45 x 14.75)	400 (15.75)	20	50 (2)	250 (9.8)	30 (1)	NA
LE8305	362 x 240 x 375 (14.25 x 9.45 x 14.75)	400 (15.75)	21.5	75 (3)	250 (9.8)	60 (2)	130 (5)
LE8505	362 x 240 x 375 (14.25 x 9.45 x 14.75)	400 (15.75)	20 (mouse drum); 21.5 (rat drum)	50 (2) - mouse drum; 75 (3) - rat drum	250 (9.8)	30 (1) - mouse drum; 60 (2) - rat drum	130 (5)
LE8355	362 x 245 x 624 (14.25 x 9.65 x 24.57)	649 (25.55)	47	153 (6)	250 (9.8)	80 (3)	130 (5)

ORDERING INFORMATION

Order #	Model	Product
76-0770	LE8205	Rota Rod with Touchscreen, 5 Mice
76-0771	LE8305	Rota Rod with Touchscreen, 4 Rats
76-0772	LE8505	Rota Rod with Touchscreen, 4 Rats or 4 Mice
76-0773	LE8355	Rota Rod with Touchscreen, 2 Large Rats

OPTIONS

Order #	Model	Product
76-1214	LE8205IC	Rota Rod Cover for 760770 (5 Mice)
76-1215	LE8505IC	Rota Rod Cover for 760772 (4 Mice)
76-0406	SEDACOM	Sedacom V2.0 Software

SPARE PARTS

Order #	Model	Product
76-0373	LE8580	4 Rat Drum for LE8505
76-0371	LE8550	4 Mice Drum for LE8505

Panlab

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