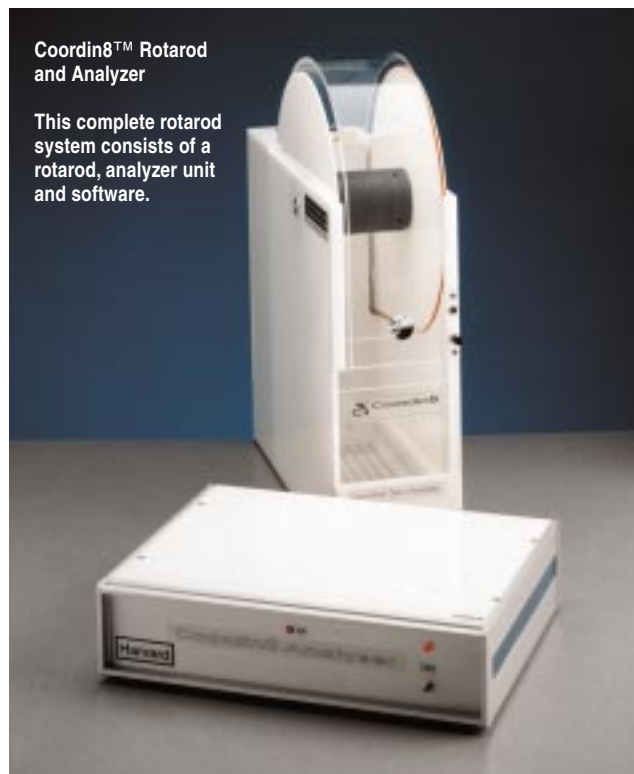


## Coordin8™ Rotarod System



Coordin8™ Rotarod and Analyzer

This complete rotarod system consists of a rotarod, analyzer unit and software.

### Coordin8™ Rotarod

This bi-directional rotating rotarod is truly unique in that it tests coordination and not fatigue. The rod can be programmed to rotate either forwards, backwards, or combinations thereof, so that the muscles of the test subject are not fatigued. By not fatiguing muscles, the system is truly testing coordination.

Each rotarod unit has its own motor drive and shock system which prevents interaction between animals and increases repeatability. The hinged cover permits easy loading and removal of the animal. The enclosed design prevents escape. Each rotarod unit has a removable shock tray which facilitates cleaning.

The rotarod has a 30 mm diameter rod which is appropriate for use with mice. A rat adapter is available separately which increases the rod diameter to 70 mm.

- The only Windows™ based rotarod
- Controls up to 8 rotarods with the same or different protocols
- First of its kind, bidirectional rotating rod truly tests coordination and not fatigue
- For rats and mice

### Specifications

Power	110 VAC, 50 Hz
Dimensions, H x W x D	52 x 13.5 x 43 cm (20.5 x 5.3 x 17 in)
Rod Diameter	30 mm standard for mice; 70 mm with rat adapter

### Catalog No. Product

CGS 8120.70	Coordin8™ Rotarod for Mice, 30 mm Diameter Rod
CGS 8121.70	Rat Adapter for Coordin8™ Rotarod, 70 mm Rod Diameter

### Coordin8™ Analyzer

The analyzer serves as a multiplexor controller for up to 4 rotarods (two analyzers may be connected to each computer for a total of 8 Coordin8™ Rotarods). The analyzer collects and analyzes data from each rod, transmits commands from the computer to each rod (both in real time) and provides the precise timing control for all events. The analyzer measures, H x W x D; 9 x 36.8 x 28 cm (3.5 x 14.5 x 11 in).

- Speeds up to 100 rpm (Digital Servo System)
- Virtually any speed profile is available through the software
- Adjustable foot shock both duration and intensity (0 to 2 mA)

### Catalog No. Product

CGS 8122.27	Coordin8™ Analyzer, 4 Channels
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### Coordin8™ Software

Coordin8™ is the first rotarod software to make use of the Windows™ interface. Coordin8™ software allows the user total control over all features of rotarod function as well as providing collection and exporting of all data generated during experiments.

Speed profiles are first created and saved. A speed profile consists of up to 100 steps. For each step the user specifies the starting velocity (typically 0 rpm for the initial step), step duration, direction of rod rotation, and rotation speed (constant, acceleration or deceleration). By creating multiple steps, the user builds the desired speed profile. A shock profile can also be input for each step. Shock profiles can be varied with respect to both intensity and duration.

Later these speed profiles are used to create experimental programs. The user simply inputs the number of trials and/or animals the experiment will contain. For each animal a speed profile is selected. Each animal can have a unique profile or the same profile can be used on multiple animals. The user may also run the same profile multiple times for the same animal. In this case the computer will prompt the user to reload the same animal until the testing is complete. The user can also specify a particular rotarod or simply wait for the next available rotarod while the animal is held in queue.

The Coordin8™ Software records all the experimental parameters and animal responses (time of fall, phase/speed of fall, etc.) thus making data collection simple and easy. Therefore, the computer executed experimental protocols provide complete flexibility as well as controlled repeatability.

### Catalog No. Product

CGS 8123.70	Coordin8™ Rotarod Windows™ Software, 8 Channels
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