

“Our research simulators allow us to create precise scenarios and use them repeatedly with a wide variety of patients. This repeatability across a broad sample helps in our research and limits the uncontrollable variables that exist on the open road or even in a parking lot.”

—MARC SAMUELS
OT, CDRS, Palo Alto Health Care System

RS 200

OUR MID-RANGE RESEARCH DRIVING SIMULATOR



The DriveSafety™ RS 200 simulator was developed as an affordable option for therapists who need to address driving-related issues in their practices. Packed with clinician-oriented features, the RS 200 includes powerful tools that help therapists exercise and measure their clients' visual, cognitive and motor functions. Useful in a wide variety of applications, the RS 200 uses powerful Hyperdrive authoring suite™ and incorporates many of the capabilities of DriveSafety's full-scale research simulators but without the full automotive cab. The RS 200 features outstanding fidelity and face validity and has undergone extensive usability studies with both clients and practitioners.



Used for innovative research in universities and VA hospitals

System Highlights

A Complete Simulated Driving System

The custom-designed console with electric height adjustment enables drivers to sit comfortably as they experience simulated driving scenarios and ambient traffic. The RS 200 operator interface is easy for clinicians to use from a dedicated touchscreen tablet, which is included with the system.

Special Configurations

The system comes ready to add adaptive equipment including hand controls, a spinner knob and a left-foot accelerator to help with driving rehabilitation. The simulator offers a risk-free environment for patients with disabilities to learn how to use adaptive equipment to safely drive again.

Scenario Control

Authors can control traffic signals, ambient traffic, scripted traffic, roadway friction, weather conditions, etc. Through the use of triggers, virtually any scenario can be designed. Whether it is human behavior, in-vehicle device usability studies or interior cab design, the simulator scenario control provides customization needed.

What's Included:

- Three 19" LCD screens, each with 1920 x 1080 resolution
- Adjustable electric-lift table
- Sharp, high-resolution [retina-limited] visual displays and 110 degree field of view
- Real-time rear and side view wide angle mirrors
- Tilt and telescoping steering wheel with dynamic electric torque feedback
- Accelerator and brake pedals
- Live instrument cluster
- Driver input and control buttons
- Vinyl-covered free-standing chair
- High-quality sound system
- Runtime simulation software, system computers, printer and accessories
- Wireless tablet-based operator interface hardware and software
- Hyperdrive scenario libraries
- Includes shipping, installation, half day onsite training and 1 year of support

Specs

- Dimensions: 7' L x 4' W
- Weight: 750 lbs
- Power Requirements: one dedicated 20 amp/110 volt circuit

DriveSafety Hyperdrive Authoring Suite

DriveSafety's RS research driving simulators are combined with our own HyperDrive Authoring Suite, an advanced scenario-authoring tool. The suite allows researchers to create custom driving scenarios leveraging an extensive library of roads, intersections, cultural surroundings, traffic vehicles, pedestrians and other elements along with flexible scripting capabilities. The system also includes powerful real-time data collection and performance monitoring functions users can customize to suit the specific needs of their studies.

"With our DriveSafety simulator and HyperDrive Authoring Suite, we have virtually limitless options for testing behaviors in just about any kind of scenario. The complexities of driving are well known. The simulator has helped us uncover and then document those complexities with a high degree of accuracy."

-DEB MACAVOY

Associate Professor, Ohio Research Institute for Transportation and the Environment [ORITE]



FOR MORE INFORMATION, PLEASE CONTACT
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www.drivesafety.com