



Senaptec Sensory Station

The Senaptec Sensory Station is a state-of-art sensory evaluation & training station which assesses 10 visual and sensorimotor skills. In less than 25 minutes, you can determine an individual's strengths and opportunities to improve sensory performance.

For more information on the Synaptec and other technology utilized at Texas Rehab, visit our YouTube technology playlist!

<https://www.youtube.com/channel/UCbjajZ5DYgcRdYfwBeGTpuw/playlists>

15 Sensory Training Modules

The Senaptec Sensory Station currently helps to improve 15 fundamental skills for human performance. More modules are added regularly. All modules are easily customizable to meet your client/ athlete needs and all can be run on the client's personal tablet via the Senaptec App in addition to the Senaptec Sensory Station at your facility. As the client/athlete gets better at the skills, the training adjusts automatically to remain challenging and promote continuous improvement.

Eye Hand Coordination

Find and touch the targets quickly and accurately.

Go / No-Go

Touch the "Go" targets before they disappear, but do not touch the "No-Go" target. This requires quick decision making and swift movement.

Dynamic Vision

Move your eyes to follow the target on the screen. This trains peripheral vision awareness and rapid eye movement.

Perception Training

Symbols appear briefly, requiring the user to quickly see information in both central and peripheral vision. This can help the brain's data collection and memory.

Response Inhibition

Go targets and no-go targets appear momentarily in a single location. Touch the go target before it disappears and do not touch the no-go targets. This trains rapid decision making and muscle response.

Spatial Memory

A set of targets will appear momentarily on the screen. You touch the screen in the locations the targets had appeared to work on memory skills.

Spatial Sequence

A variation of spatial memory. In this module targets will appear and disappear sequentially. Touch the screen in the location and order the targets appeared.

Multiple Object Tracking

The MOT skill often helps avoid collisions. Move a target to avoid collisions with multiple objects that are moving around the screen.

Depth Perception

This module challenges and trains while the user stands at distance from the screen to make judgments of depth. Judging depth is fundamental for perceiving the world.

Near Far Shift

This module uses the Senaptec handheld remote and a screen at distance to train the eye muscles to rapidly shift focus and recognize details. Quick near far shift capability is important in all areas of life, from sports to driving to walking through a store.

Visual Search

Quickly find and touch the single target amongst the distractors. Search and find tasks are critical for navigating most sport and real-world activities.

Tempo

Maintain rhythm by touching the target with each beat. This module is useful for training audio/visual correlation and anticipation timing.

Shape Cancellation

Find and touch all the targets but do not touch the distractors. This training also serves as an assessment for visual neglect issues.

Visual Motor Integration

Draw on the touch screen with your finger to repeat the pattern, either by tracing or looking at an adjacent shape. This training works on neuromotor skills.

Split Attention

Split Attention is a new module that combines a central cognitive task with a peripheral motor task. Respond to a constantly changing task at the center of the screen while at the same time, respond to peripheral targets appearing on the rest of the screen.