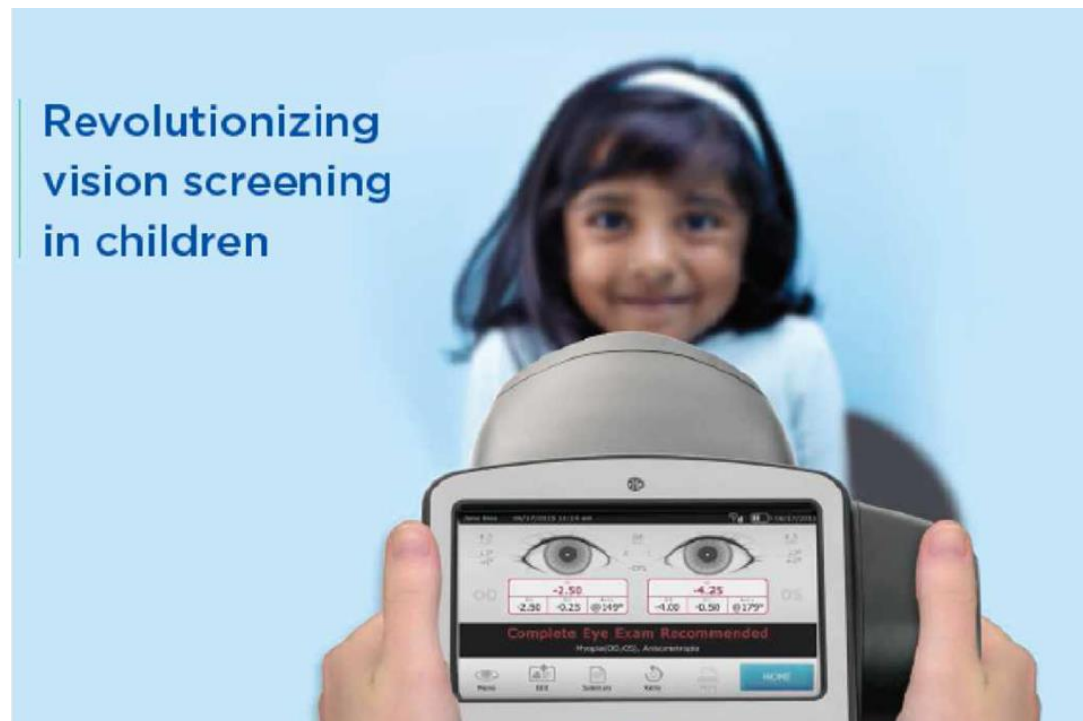# Welch Allyn® Spot®
Vision Screener Model VS100

An easy to use autorefractor that accurately identifies refractive errors and ocular misalignment in children and adults.

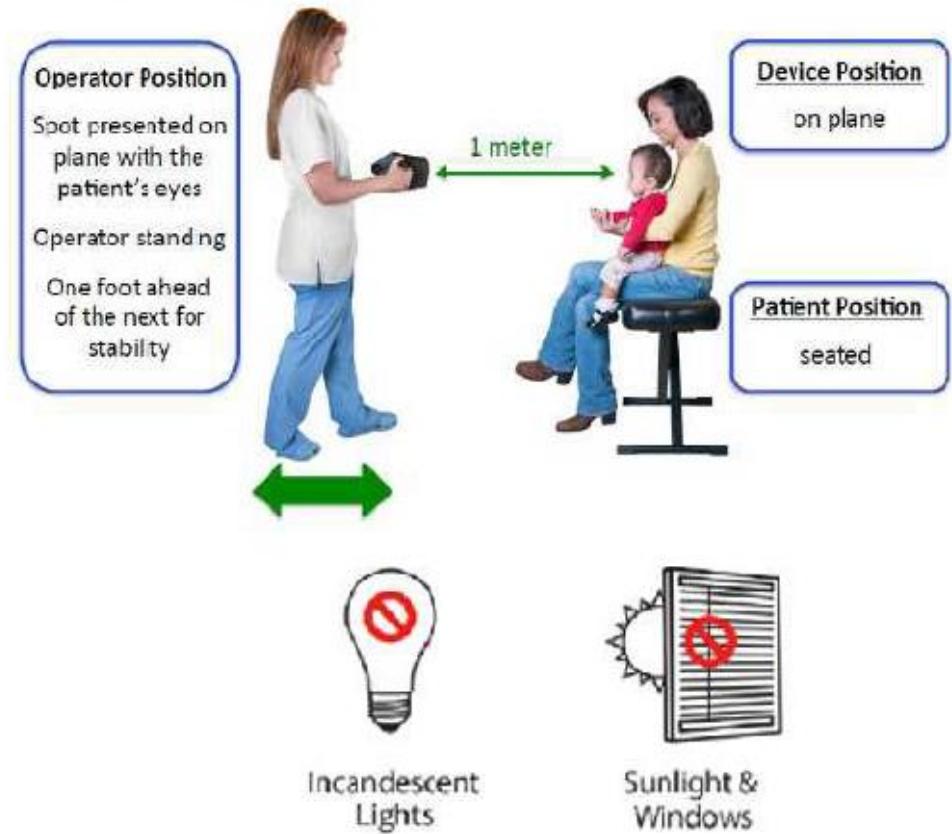Revolutionizing vision screening in children

Use Instant Screening Mode

Setup

- Ensure that room lighting is appropriate for vision screening. Turn off lights and close blinds or curtains, if possible. The child's back should be positioned to the interfering light source.

- Avoid direct light into the patient's eyes from: ambient light sources, exterior lights, incandescent and halogen lights.

- Explain the process to child and parent/guardian

- Ergonomic design is comfortable for screener while capturing from a non-invasive 3.3 feet distance

Proper Setup

Operator Position

Spot presented on plane with the patient's eyes

Operator standing

One foot ahead of the next for stability

Device Position
on plane

Patient Position
seated

1 meter

Incandescent Lights

Sunlight & Windows

Alternate Operator Position

Operator seated in a chair with device placed on top of tripod platform. Slowly move device forward and back on platform . Operator assisted by helper.

1 meter

Capturing Results

- From the Home Screen, select the appropriate screening mode. *Note: Screen will dim after 60 seconds, just tap screen to awake.*

- Slowly rotate the device upward to meet both of the subject's eyes and lean forward and backward keeping the pinwheel steady.

- Position yourself with one foot in front of the other, slowly rock forward and back until the screen turns grey, indicating you are in the capture range.

- Alternately, position yourself in a chair with device placed on top of tripod platform. Slowly move device forward and back on platform until the screen turns grey, indicating you are in the capture range.

- Auto capture feature insures screening conditions are optimal. It ONLY captures when the patient is looking at the device and the user has the right conditions (distance, lighting, etc.).

"Too Far"
move camera toward subject

hold camera still
(about 3 feet away)

"Too Close"
move camera away from subject

On-screen instructions guide the user with a "too close" or "too far" indicator
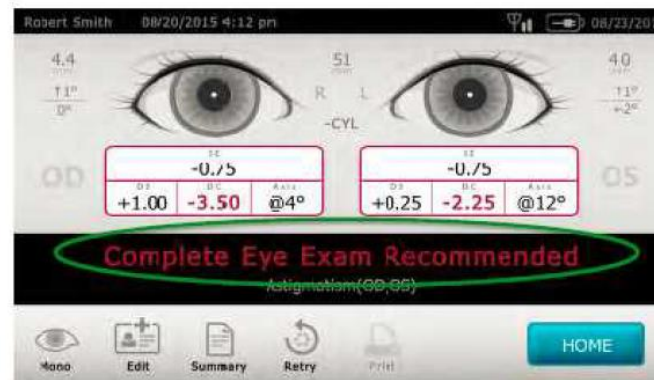
Version 8/17/20

Capturing Results

Keep the vision screener device steady until the screening wheel appears, indicating the capture process is underway. Capture is complete when results screen is shown.

Managing Results

Immediate on-screen results offers either a "Complete Eye Exam Recommended" or "All Measurements in Range" so no interpretation of data is required. Also lists issues detected if referred.

When results equal or exceed the criteria threshold settings, the results are:

Out-of-Range/Refer = **"Complete Eye Exam Recommended"**

If below the criteria results are:

In-Range/Pass = **"Screening Complete all measurements in range"**