

Welch Allyn Spot™ Vision Screener



Product Specifications

Dimensions	8.5 in. x 6.75 in. x 4.75 in. (20.3 cm x 15.2 cm x 10.2 cm)
Weight	-2.55 lbs. (1157 g)
Wireless Network	802.11 b/g/n
Operating Temperatures	50 °F to 104 °F (+10 °C to +40 °C)
Operating Humidity	30% to 95% relative humidity (non-condensing)
Storage/Shipping Temperatures	32 °F to 122 °F (0 °C to +50 °C)
Storage/Shipping Humidity	0% to 95% relative humidity (non-condensing)
Storage/Shipping Atmospheric Pressure	800 hPA to 1060 hPA
Expected Battery Life	2.5 years (under normal usage)

Measurements

Spherical Equivalent	Range: -7.50D to +7.50D in 0.25D increments Accuracy: -3.50D to 3.50D, ± 0.50D -7.50D to < -3.50D, ± 1.00D > 3.50D to 6.00D, ± 1.00D
Cylindrical	Range: 0.00D to +3.00D in 0.25D increments Accuracy: 0.00D to 1.50D, ± 0.50D > 1.50D to 3.00D, ± 1.00D
Cylindrical Axis	Range: 1 to 180 degrees in 1-degree increments Accuracy: ± 5 degrees (for cylinder values > 0.5D)
Pupil Size	Range: 4.0 mm to 9.0 mm in 0.1 mm increments Accuracy: ± 0.1 mm
Pupil Distance	Range: 35 mm to 80 mm in 1 mm increments Accuracy: ± 1 mm
Gaze Measurement	0 to 20 degrees in increments of 1-degree nasal, temporal, inferior, and superior Accuracy: 0 to 5 degrees (± 1 degree) > 5 to 20 degrees (± 2 degrees)
Time Per Measurement	1 second
Measuring Distance	3.3 ft. ± 2 in. (1 m ± 5 cm)
Fixation Target	Random visual pattern and audible sound
Measurement Principal	Optical reflex

For more information on the Welch Allyn Spot Vision Screener, please contact your local distributor or Welch Allyn sales representative at 1.800.535.6663.