

Welch Allyn Spot™ Vision Screener



Product Specifications:

Dimensions	8 1/2 in x 6 3/4 in x 4 3/4 in (21.6 cm x 17.1 cm x 12.1 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 75% 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	6800 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 7.50D, ± 1.00D
Cylindrical	Range: -3.00D to +3.00D in 0.25D increments Accuracy: -1.50D to 1.50D, ± 0.50D -3.00D to < -1.50D, ± 1.00D > 1.50D to 3.00D, ± 1.00D
Cylindrical Axis	Range: 1 to 180 degrees in 1-degree increments Accuracy: ± 10 degrees (for cylinder values > 0.5D)
Pupil Size	3.0 mm to 9.0 mm in 0.1 mm increments in ± cylinder* Accuracy: ± 0.4 mm
Pupil Distance	Range: 35 mm to 80 mm in 1 mm increments Accuracy: ± 1.5 mm
Gaze Measurement	0 to 20 degrees in increments of 1 degree nasal, temporal, inferior, and superior Accuracy: ± 1.5 degrees
Time Per Measurement	Second(s)
Measuring Distance	3.3 ft ± 2 in (1 m ± 5 cm)
Fixation Target	Random visual pattern and audible sound
Measurement Principal	Optical reflex

* 3.0 mm available for 20-100 age range.

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.

www.welchallyn.com

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