

# Vyntus™ WALK – Technical Specifications

## Parameters

Measured, typed in and calculated parameters 6MWD [m], 6MWW [kg\*m], 6MWS [m/s], Duration of Test [mm:ss], Lap Distance [m], Lap Count, Distance Final Lap [m], Number of Pauses, Duration of Pauses [mm:ss], Dyspnea [RPE], Exertion [RPE], SpO<sub>2</sub> [%], Lowest SpO<sub>2</sub> during Test [%], Ti88 [mm:ss], HR [bpm], Highest HR [bpm], BP Systolic [mmHg], BP Diastolic [mmHg], Supplied O<sub>2</sub> Flow [L/min], Supplied O<sub>2</sub> Type, Walking Aid, FEV1%Pred [%], BODE Index, BMI

## Tablet

Minimum requirements	Operating system	Android 4.4.x or 5.x + Recommended Android 7.x
	Processor	Intel® Atom™ (1.6 GHz Dual-Core or higher) or Quad-Core ARM (1,3 GHz or higher)
	Screen size	7" tablet screen
	Screen resolution	1280 x 800 pixels
	Bluetooth®	2.0 or higher
	Wireless type	WiFi 802.11n

## Network / WLAN

Minimum requirements	Connection speed	150 Mbit/s
	Printer	Wireless supporting printer for stand-alone mode

## SpO<sub>2</sub> device

Type	Nonin	WristOx2® Model 3150 Bluetooth® classic and BLE
Ranges	Oxygen saturation range (SpO <sub>2</sub> )	0 % to 100 %
	Pulse rate range	18 to 321 beats per minute (BPM)
Display features	SpO <sub>2</sub>	3-digit numeric
	Pulse rate	3-digit numeric, Pulse strength bar graph: 9 levels
	Battery status	4 levels (full, half, low, critical)
	Indicators	Sensor Fault, Bluetooth connectivity, SmartPoint, Pulse Signal
Internal Power	Battery	Two 1.5 Volt AAA alkaline batteries
Weight / Dimensions	Weight (approx. with strap and sensor)	71 grams (2.5 oz.)
	Dimensions (without strap and sensor)	56 mm x 74 mm x 20 mm (W x H x D) (2.20" x 2.91" x 0.79")

## SpO<sub>2</sub> Sensors

### SpO<sub>2</sub> Accuracy (Arms\*) @ 70 – 100% Adult/Pediatric

Soft sensor (small, medium, large)	No motion	± 2 digits
	Motion	± 3 digits
	Low perfusion	± 2 digits
Flex sensor adult, child, infant Reflectance sensor	No motion	± 3 digits
	Motion	N/A
Ear clip sensor	Low perfusion	± 2 digits

### Pulse Rate Accuracy (Arms\*) Adult/Pediatric

All sensor models	No motion @ 18 – 300 BPM	± 3 digits
	Motion @ 20 – 250 BPM	± 3 digits
	Low perfusion @ 40 – 240 BPM	± 3 digits

## Conditions

Operating conditions	Temperature	0 °C to +35 °C (+32 °F to 95 °F)
	Relative humidity	15 to 95 % RH, non-condensing
Storage/Transportation conditions	Temperature	-20 °C to +50 °C (-4 °F to 122 °F)
	Relative humidity	15 to 95 % RH, non-condensing




## NOTES

\* ±1 Arms represents approximately 68 % of measurements.

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