



Vyntus™ WALK

Truly mobile - six minute walk test

Vyntus™ WALK

the complete mobile solution is not only comfortable for the patient to wear, it's also easy for technicians to use, and most importantly, it is key in standardizing your laboratory testing procedure.



Vyntus™ WALK lets patients perform a six-minute walk test (6MWT) wearing wireless sensors that communicate data to a tablet PC.

- The workflow-driven application seamlessly integrates with our SentrySuite™ software platform for central data management and reporting.

Benefit from:

- **Broad clinical value:** generates a diagnostic and prognostic measure of functional capacity and physical fitness.
- **Mobile solution:** works with a tablet PC and interfaces with the secure bluetooth pulse oximeter worn by the patient.
- **Further data:** lets you manually enter blood pressure, oxygen supply, oxygen supply type, rate of perceived exertion and walking aids.
- **Quality checks:** helps check the credibility of your data.
- **Sensor-type flexibility:** can be used with soft, flex, ear and forehead SpO₂ sensor types.

Go with the flow

The intuitive Vyntus™ WALK tablet APP guides you through the standardized workflow. Accurate test data keeps you focus on our patient.



Handy pop-ups help you guide the patient

View real-time trends that display the patient's heart rate, SpO2 and other events

Quick event buttons help you and your patient get to the next step

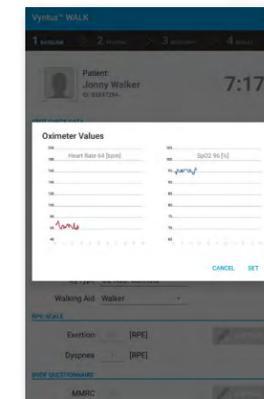


Smart steps

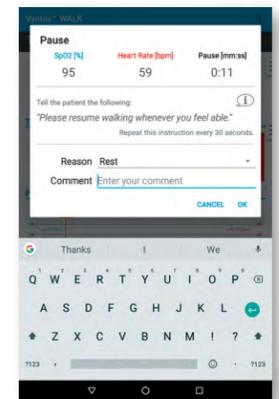
Follow your patient, acquire and track the results, then verify and report all via your wireless tablet PC.



Baseline



Baseline SpO₂ Trend



Pause



Recovery



Baseline-Recovery



Result

Vyntus™ WALK – Standalone Mode of Operation



Two simple ways to print your report

- WIFI direct print
- Print via USB cable



One simple way to store the report PDF

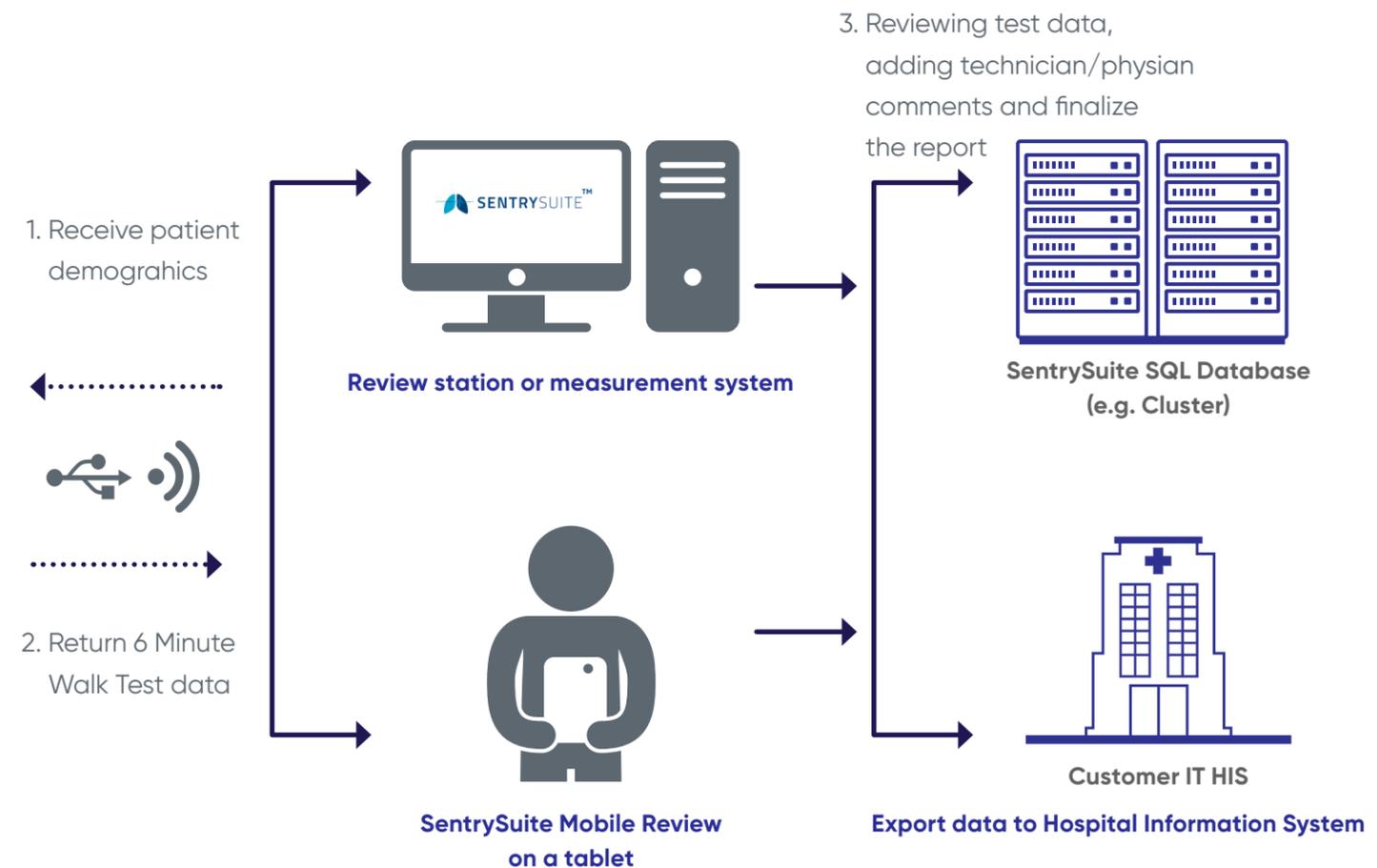
- Network share drive / shared folder



Vyntus™ WALK – SentrySuite™ Connected Mode of Operation

Your benefits:

- Trend your patient
- Combined reporting like e.g. Spirometry or Diffusion
- Treatment efficiency (Pre/Post)
- Connect with WIFI or USB Tethering
- High data security during transfer with end to end encryption



All good things come in threes

The Vyntus™ WALK is compatible with three sensor technologies – choose the sensor that best fits you and your patients' needs.

Forehead sensor – a convenient application site on the forehead for exercise testing

- Can be used when patients need their hands to support walking.
- Cleanable sensor – disposable sensor holder.

Ear clip sensor – offers flexibility for longer-term SpO₂ monitoring when digits are not the preferred application site

- Reusable ear clip solution.
- Can be used when patients need their hands to support walking.

Finger clip sensor – offers ultimate flexibility for SpO₂ measurement

- Offers superior patient comfort by providing an optimal distribution of pressure.
- Three sizes (S, M, L) soft sensors to fit a variety of patient hands from children to adults. or a finger clip sensor.



All sensors are connected to the strap



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], SpO₂ [%], Lowest SpO₂ during Test [%], Ti88 [mm:ss], HR [bpm], Highest HR [bpm], BP Systolic [mmHg], BP Diastolic [mmHg], Supplied O₂ Flow [L/min], Supplied O₂ 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

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

SpO₂ device

Type	Nonin	WristOx2® Model 3150 Bluetooth® classic and BLE
Ranges	Oxygen saturation range (SpO ₂)	0 % to 100 %
	Pulse rate range	18 to 321 beats per minute (BPM)
Display features	SpO ₂	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
Weight / Dimensions	Weight (approx. with strap and sensor)	71 grams (2.5 oz.)
	Dimensions (without strap and sensor)	56 mm × 74 mm × 20 mm (W × H × D) (2.20" × 2.91" × 0.79")
Internal Power	Battery	Two 1.5 Volt AAA alkaline batteries

SpO₂ Sensors

SpO₂ 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
	Low perfusion	± 2 digits
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

REFERENCES

* ± 1 Arms represents approximately 68 % of measurements.

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