OMNIA Walking Tests

The most comprehensive solution to evaluate functional exercise capacity during walking tests

- Offline and Online modalities
- Standard 6MWT, ESWT, ISWT and custom protocols
- Titration test
- Plethysmographic pulse oximetry curve in real-time
- Perfusion Index for each SpO2 value
- Automatic QC
- Pace control during shuttle tests via audible signals
- ATS standard message for 6MWT
- Several predicted sets

The Walking tests module extends OMNIA functionalities to comprehensive solutions for walking and titration tests.

Walking and titration tests allow to evaluate exercise capacity, assess prognosis, evaluate treatment response in chronic respiratory diseases and determine the appropriate level of supplemental O2 required to prevent or attenuate subjects desaturation.

Both Offline and Online modalities are available to monitor main parameters (SpO2 and HR) progression. The Online modality can be performed with a laptop or tablet PC and allows the direct entry of markers and useful information on the software. A quality control check on each recorded value and the plethysmographic pulse oximetry curve provide a visual feedback ensuring high accuracy throughout all test execution.

The Offline modality allows to record test events (including laps, fatigue and blood pressure) on a tailored worksheet. Data can then be downloaded on OMNIA and integrated with the collected information at any time.

Custom protocols can be created in addition to the standard 6 Minute Walk Test (6MWT), Endurance Shuttle Walk Test (ESWT) and Incremental Shuttle Walk Test (ISWT).

The Walking tests module can be integrated in a complete diagnostic ecosystem powered by OMNIA, gathering all its benefits and functionalities.
## Product Description

**OMNIA software**
- OMNIA w/ Hardware Key (media box)
- [REF] C04160-01-11

**Walking tests module**
- Walking tests/Titration module for OMNIA software
- [REF] A-670-100-029

**Compatible Pulse Oximeter**
- Nonin® 3150 WristOx2 BLE Pulse Oximeter
- [REF] A-661-600-018

### OMNIA Features

#### Measured parameters
- SpO2, HR, Duration, Laps, Perfusion Index, Phase duration, Pause duration, Number of Phases, Number of Pauses, Battery status

#### Entered parameters
- Blood pressure, Leg pain (Borg scales), Dyspnea (Borg scales), mMRC, Supplemental O2 (type, delivery device, mode of transport), Walking aid, Walking limitations, PaO2 (HAST test), Number of completed laps, Final lap

#### Calculated parameters
- Baseline SpO2, Min SpO2, Average SpO2, Final SpO2, Max HR, Final HR, BODE Index, 6MWD, 6MWW, T(SpO2≤%), T(ΔSpO2>%)

#### Protocol variables
- walk path, Phases duration, lap increment, pause settings

#### Modalities
- Online, Offline (worksheet provided)

#### Quality control
- Perfusion Index, Phethysmographic pulse oximetry curve, data quality check

#### Test duration
- Unlimited

#### Languages
- English, Chinese (Traditional & Simplified), Czech, Danish, French, German, Greek, Hebrew (interpretation only), Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Swedish, Turkish

#### PC Requirements
- Windows 8.x (32 bit, 64 bit), Windows 10 (32 bit, 64 bit), Windows 11 (64 bit)

#### OS Requirements
- CPU ≥ 2GHz, RAM ≥ 4GB, HD ≥ 10GB for full installation, Monitor resolution ≥ 1366x768 pixel, ≥2 USB port

### Safety & Quality Standards
- MDD (93/42 EEC)

### Indications for use
- Physician and professional healthcare facilities

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### Bibliography:


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Online modality allows to monitor SpO2 and HR trends

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**Nonin® 3150 WristOx2 BLE Pulse Oximeter**

Offline modality worksheet to take note of the parameters of interest