

# WITHINGS

## SCANWATCH

CLINICALLY VALIDATED



## Hybrid Smartwatch with ECG, Heart Rate & Oximeter

Discover ScanWatch, the newest hybrid smartwatch from Withings.

Nested in a high-end watch, state-of-the-art medical technology has been carefully selected to create the most health-oriented watch ever offered to the public.

Developed with cardiologists, and clinically validated, this is the world's first hybrid smartwatch that can alert a user to a possible case of atrial fibrillation or breathing disturbances. ScanWatch also offers in-depth activity and sleep tracking, water resistance to 50m, and an exceptional battery life of up to 30 days before it needs to be charged.

### VITAL PARAMETERS

- Electrocardiogram / AFib detection
- Breathing disturbances via PPG sensor & accelerometer
- Heart rate
- Atrial fibrillation, low & high heart rate notifications
- Activity (steps, calories, distance)
- Sleep cycles (light & deep)
- Connected GPS / multi-sport tracking
- Elevation

### SIMPLE & SMART

- Up To 30 Days Battery Life
- Exclusive Multi-Wavelength PPG: Heart Rate/SpO2 Sensor
- Stainless Steel Electrodes
- PMOLED Display
- Sapphire Glass
- Smart Notifications
- Water Resistant 5ATM
- Altimeter
- Bluetooth® Low Energy
- Health Mate App

### Price

279.95€ (38mm) | 299.95€ (42mm)

### Clinical Validation

CE cleared

# Features

## **PROACTIVE ATRIAL FIBRILLATION DETECTION**

By recording heart rate variability 24/7, ScanWatch sends a notification when an irregular heartbeat is detected and will then advise the user to record an electrocardiogram (ECG).

## **MEDICAL GRADE OXIMETER**

Provides on demand medical-grade oxygen saturation level (SpO2) in just 30 seconds.

## **BREATHING DISTURBANCES DETECTION**

In addition to analyzing sleep, activating the Respiratory Scan can detect breathing disturbances via the PPG sensor and the accelerometer based on an analysis of blood oxygen levels, heart rate, motion and breathing rate.

## **24/7 ACTIVITY TRACKING**

Automatically tracks walk, run, swim, sleep, distance & calories burned.

## **ALTIMETER**

Tracks floors climbed & elevation in meters/feet.

## **SMART NOTIFICATIONS**

Customize alerts to receive vibration plus preview of text messages, calls, events, and apps right on the watch screen.

## **ON-DEMAND ELECTROCARDIOGRAM**

Immediate ECG results will be shown on the watch screen, and can be replayed in the app, where users will find a more in-depth diagnostic report that details possible signs of atrial fibrillation, as well as related advice.

## **HEART RATE TRACKING**

Track heart rate continuously during workouts to optimize training, and monitor daily and overnight heart rate to help improve health over time.

## **SLEEP TRACKING**

Delivers a Sleep Score based on light and deep sleep cycles, sleep duration & wake-ups. Set a silent vibrating alarm and take advantage of Smart Wake-Up to wake at the optimal point in your sleep cycle.

## **WORKOUT MODE**

Launch a running, biking or walking session to have post-workout access to a map of your path, plus distance, pace, and elevation. Choose from over 30 activities and initiate workout mode directly from your wrist.

## **HEALTH MATE APP**

Automatically synchronizes with the free app available for Android and iOS, where you can view trends, gain insights & find extra motivation with badges and programs.

## **METRICS**

Heart rate: beats per minute

Heart beat notifications: high or low heart rate, atrial fibrillation

Medical grade electrocardiogram: atrial fibrillation, and monitoring of slow or fast heart rate via ECG

Breathing Disturbances: detection via blood oxygen saturation levels, heart rate, breathing rate & motion

Medical grade oxygen saturation level

Walking and running: steps, distance, calories

Fitness Level score via VO<sub>2</sub>max estimation

Connected GPS: distance, pace & elevation

Swimming: duration, laps, distance, stroke detection, calories

Sleep heart rate

Sleep: deep and light sleep phases, oxygen levels, atrial fibrillation detection, sleep interruptions,

Smart Wake-Up

Elevation: meters and floors

# Technical facts

## DISPLAY

Analog dial with hands for hours and minutes. Subdial displays progress toward daily activity goal in percentage.

PMOLED screen displays ECG, SpO2, atrial fibrillation and smartphone notifications, heart rate, steps, floors climbed, distance, calories, activities, and settings.

Workout mode displays timer and heart rate (continuous tracking).

Clock menu with alarm, stopwatch and timer.

Notifications display previews of incoming calls, text messages, calendar events and 100+ apps.

## APP

Health Mate app for iOS and Android™. Web dashboard. Silent alarm setting, activity goal, screens customization via the app.

## BATTERY LIFE

Up to 30 days with normal use.  
+20 additional days in power reserve mode (time and activity tracking only).

## COMPATIBILITY

iPhone, iPad, or iPod touch with iOS 12 or later, or smartphone/tablet with Android 8 or later. Cannot be set up from a computer.

## STORAGE & MEMORY

Free and unlimited online data storage with a Withings account. 5 days of local storage of data between syncs.

## CONNECTIVITY

Bluetooth Low Energy. Must enable Bluetooth connection with location settings enabled to enjoy connected GPS functionality.

## CHARGING TIME

Approximately 2 hours to 100%. About 1 hour to 80%.

## BOX CONTENT

Scanwatch Hybrid Smartwatch with a dedicated wristband  
Magnetic charging cable  
Quick start guide (English, French, German, Italian, Spanish)  
Reusable transport pouch



# Design

## USAGE INSTRUCTIONS

### SCREEN

By pressing the digital crown, you can scroll through data (date, heart rate, steps, distance, calories burned, floors), launch measurement (oxygen saturation levels, workout mode, electrocardiogram), receive notifications (high, low or irregular heart beat and smartphone notifications), and adjust settings and clock (alarm, timer, stopwatch) on the watch's digital display.

### WORKOUT MODE

Find and select workout mode by pressing the button and then rotating to find your activity, then press again to select. Starting workout mode will activate continuous heart rate, plus the connected GPS feature, elevation, and Fitness Level assessment when running.

### OXYGEN SATURATION LEVEL

Select the mode, place your hand on the watch, and wait 30 seconds at rest without moving or speaking.

### ELECTROCARDIOGRAM

To record an ECG, sit and rest, press the digital crown, scroll in the menu to find the ECG option, press again, then place your fingers on the front electrode for 30 seconds.

## WATER RESISTANT

Up to 50m (5 ATM)

## MATERIALS

Comes with a stainless steel case featuring brass lacquered dial with applied chrome indexes, guilloche subdial, chrome hands, sapphire glass, and a soft, durable & water-resistant fluoroelastomer wristband.

## WRISTBAND

Fluoroelastomer wristband, fits wrists with a circumference of between 14-21cm / 5.5-8.2in (38mm model) or 16-24cm / 6.2-9.4in (42mm model)

## CONCEIVED WITH DOCTORS, BACKED BY EXPERTS

Developed in collaboration with cardiologists and included in clinical studies

## SENSORS

### MULTI-WAVELENGTH PPG

#### Heart sensor

Heart rate and rhythm measurements are obtained by the PPG sensor, using light reflected by the blood and skin to measure variation in blood flow to the veins.

#### SpO2 sensor

This non-invasive method works by emitting and then absorbing a light wave reflected by the blood vessels. As oxygen saturation causes variations in the color of blood, the variation determines the SpO2 measurement.

### ELECTRODES

3 electrodes (1 on the front and 2 on the back) record an electrocardiogram in order to detect atrial fibrillation, high and low heart rate.

### DIMENSIONS

38mm model: 38.4mm diameter (1.6"), 13.2mm thickness (0.52"), 18mm wristband width (0.70"), 58g (watch only)

42mm model: 42mm diameter (1.65"), 13.7mm thickness (0.54"), 20mm wristband width (0.79"), 83g (watch only)

### RETAIL BOX WEIGHT & DIMENSIONS

182x115x46mm

195g