Physiological Data Signals

1-lead ECG
- 256 Hz - 12 bits - Resolution LSB: 0.0064 mV
- Heart Rate
- Heart Rate Variability (HRV)
- Heart Rate Recovery (HRR)
- RR intervals

Quality assessment channels:
- Disconnection detection
- 50-60 Hz noise detection
- Saturation ECG signal detection
- Movement artifact detection
- RR intervals reliability detection

Dual Channel Respiratory Inductance Plethysmography (RIP)
- 128 Hz - 16 bits
- Breathing rate
- Tidal volume (L)
- Minute ventilation (L/min)
- Breathing inspiration & expiration events

Quality assessment channels:
- Disconnection detection
- Noise detection
- Baseline change detection

3-axis Accelerometer
- 64 Hz - 13 bits.
- Actigraphy
- Activity level
- Step counting
- Cadence

Quality assessment channels:
- Disconnection detection
- Noise detection
- Baseline change detection

Physical Specifications

Materials
- 73% Polyamide Micro
- 27% Elastane
- Lightweight fabric & quick to dry
- Excellent UV Protection

Hexoskin ProShirt - For Men

Hexoskin ProShirt - For Women

Contact sales@hexoskin.com or visit hexoskin.com to order the Hexoskin ProShirt
Hexoskin Product Specifications

Physical Specifications

Machine Washable Shirt

Operating conditions
Hexoskin operating temperature: -10, 60°C
Hexoskin operating humidity: 0 to 100%

Physical Overview
- Dimensions: 13 x 42 x 72 mm (0.53” x 1.632” x 2.814”)
- Device weight: 40 g (1.41 oz)
- Durable construction

Battery
- USB Fast Charge in 90 minutes
  - Hexoskin Smart Device: 30H
  - Hexoskin Classic Device: 12h

Embedded Local Data Storage
- Capacity: 4 GB of data
- Autonomy: ~600 h of recording

Bluetooth
- iOS & Android compatible (Smartphones & Tablets)
- Real-Time Data Transmission with Hexoskin Smart
- Auto-Reconnect to last connected device
  - Hexoskin Smart Device: Bluetooth 4.1
  - Hexoskin Classic Device: Bluetooth 2.1

Hexoskin Connected Health Platform

Provides you access to iOS and Android Applications for real-time data visualization, HxServices desktop data sync software (OSX 10.8 + & Windows 7-8 or later), raw and processed data with the Hexoskin Online Dashboard.

Hexoskin Open API . HexoskinSDK Licences . Platform Agnostic

Hexoskin Shirt Sizing

With built-in all-textile sensors, the Hexoskin Shirts are light and comfortable.