ECG247™

LONGER INSIGHTS. BRIGHTER PATHS.

STEVN TECHNOLOGIES
NORDIC MEDTECH PARTNER

Smart Heart Monitoring

CONTINUOUS.
REMOTE. SIMPLE.

CE | MDR (EU) 2017/745
CLASS IIa MEDICAL DEVICE



Home is our comfort zone.

LONG-TERM ECG MONITORING –
AT HOME AND ACROSS CARE SETTINGS

24/7 MONITORING
Continuous ECG in everyday life

FLEXIBLE MONITORING
At home, in hospital and across care settings

SECURE
GDPR-compliant ECG247 platform

CLINICAL REVIEW
ECG data for clinical review

NORSCREEN LARGE-SCALE HOME ECG MONITORING

More than 50,000 participants were randomised. First-round results demonstrate feasibility of large-scale home-based ECG247 monitoring and detection of previously unknown atrial fibrillation.

50,549	78.1%	1.9%	NNS 52	95.8%
randomised participants	completed home screening	previously unknown AF (382 / 19,723)	to detect one case of AF	started treatment after detected AF

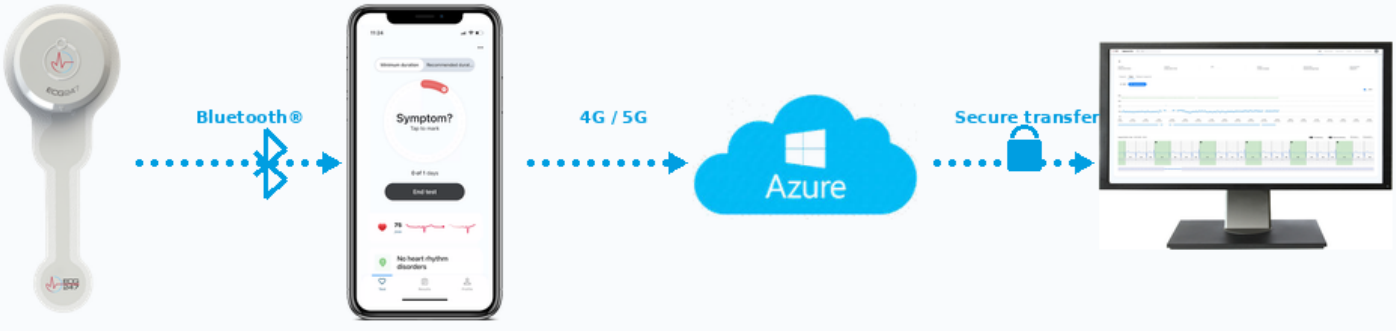
Svensson et al., Europace 2026;28(8):euag140. First-round results; long-term clinical outcomes remain under follow-up.

Oslo University Hospital

A complete solution

One connected pathway - from continuous ECG recording to clinical review.

1. **ECG247 SENSOR** – Continuous ECG recording
2. **ECG247 APP** – Patient smartphone and symptom marking
3. **ECG247 PLATFORM** – Secure data transfer and processing
4. **CLINICIAN PORTAL** – ECG data for clinical review



Designed for everyday life · Reusable sensor · Clinical evidence · Meaningful insights for clinicians

ECG247 Smart Heart Sensor

Technical specifications | Model 353 010

PRODUCT IDENTIFICATION

System: Electrocardiographic long-term ambulatory recorder system and associated software.

Components: Smart Sensor (GMDN 38729); Electrode (GMDN 62597); ECG247 APP (GMDN 62169); ECG247 Web (GMDN 41651).

Basic UDI-DI: 709005222ECG247SENSORZ2
EMDN: Z12050403 ECG HOLTER RECORDERS



CERTIFICATION & COMPLIANCE

CE, MDR (EU) 2017/745: HZ 2312866-1; Annex IX Chapters I, III; Class IIa.

Bluetooth SIG, BLE, RED; biocompatibility according to ISO 10993.

RoHS: (EU) 2011/65 and 2015/863. **REACH:** (EC) No 1907/2006.

PHYSICAL SPECIFICATIONS

Sensor: Ø 4.01 × 1.09 cm; 7.2 g.

Electrode: 13.8 × 5.0 × 0.59 cm; 6.5 g.

Electrode skin-contact area: 42.248 cm².

Power: Maxell CR2032, 3 V, single-use lithium 230 mAh, incorporated in electrode.

ECG RECORDER

Sampling rate: 256 Hz; bandwidth: 0.5–40 Hz.

Recording resolution: 16-bit; sensitivity: 1.0 µV.

Dynamic range: ±10 mV; input impedance: >10 MΩ.

WIRELESS & ENVIRONMENTAL

BLE transmission: <1 mW / 0 dBm; range up to 10 m.

FCC ID: 2AYZI-ECG247; EU RED 2014/53/EU.

Storage: –25 to +70 °C; 0–90% humidity; 500–1060 hPa.

IP44: shower protection; bathing not recommended.

SOFTWARE & DATA PROTECTION

ECG247 APP: Android 9.0+ or iOS 11+; minimum 500 MB storage.

ECG247 Web: PC/Mac browser (Chrome, Edge, Safari); hosted back-end services.

Two-factor user authentication; sensitive medical data security and GDPR privacy.

ARRHYTHMIA ANALYSER

Event detection algorithm including Adaptive Learning Method.

Atrial fibrillation; atrial flutter; pauses; ventricular and supraventricular tachycardia; bradycardia (HR <30 bpm); tachycardia (HR >180 bpm); ventricular and supraventricular extrasystoles.

Periodic and patient-initiated manual recordings; detected event recordings of 1–4 minutes.

USE & CARE

Recommended test duration: 3–7 days or longer if feasible.

Reusable sensor after cleaning/disinfection with damp cloth or wipe (Ecolab Incidin Duo or similar).

Recommended for AF and other arrhythmia screening/follow-up, palpitations and assessment following therapy changes.

CONTRAINDICATIONS / LIMITATIONS

Not for real-time emergency monitoring or diagnosis of myocardial infarction.

Not for patients undergoing MRI; pregnant women; children weighing <10 kg.

Requires smartphone with mobile data communication.

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ECG247 Electrode Patch

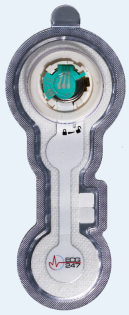
Technical specifications | Single-use accessory

PRODUCT IDENTIFICATION

Accessory to: ECG247 Smart Heart Sensor.

GMDN: 62597 – ambulatory recorder conductive patch.

Basic UDI-DI: 709005222ECG247ELECTRODG6
EMDN: C020501 ECG ELECTRODES



CERTIFICATION & BIOCOMPATIBILITY

CE, MDR (EU) 2017/745: Class I; Annex IX Chapters I, III; Rule 1 (as stated by manufacturer).

Biocompatibility according to ISO 10993.

DIMENSIONS & BATTERY

Dimensions: 13.8 × 5.0 × 0.59 cm.

Weight: 6.5 g; skin-contact area: 42.248 cm².

Maxell CR2032 3 V, single-use lithium 230 mAh; 3.2 × 20 mm.

Battery lifetime: approximately 14 days in normal use.

USE & ENVIRONMENT

IP44 (shower protection) **when mounted to ECG247 sensor**.

Recommended test duration: 3–7 days or longer if feasible.

Storage: –25 to +70 °C; 0–90% humidity; 500–1060 hPa.

Stop use if severe skin irritation, pain or bleeding occurs.

NOISE SHIELDING

US-patented noise shielding based on Faraday cage principle, reducing electromagnetic fields and external noise such as clothing friction.

REGULATORY DECLARATIONS

RoHS: complies with (EU) 2011/65 and 2015/863.

REACH: Manufacturer states no SVHC candidate-list substances above 0.1% by weight; compliance with (EC) No 1907/2006.

WASTE DISPOSAL

Manufacturer instruction: dispose of patch as household waste after removing the battery; dispose of coin battery through battery recycling.

Follow applicable local waste-handling requirements.

SAFETY DATA SHEET

As a finished medical device not classified as a hazardous chemical mixture under (EC) No 1272/2008 (CLP), the manufacturer states that an SDS/MSDS is not required under REACH Article 31.

SYSTEM REQUIREMENTS

Smartphone with mobile data communication.

Electrode is an accessory to the ECG247 Smart Heart Sensor; consult manufacturer instructions for use.

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