

SensaRing

The proven platform behind your next MedTech wearable



OVERVIEW

SensaRing is a ring-form wearable module within the Sensa platform, built for continuous multi-biosignal monitoring and early-stage MedTech validation. Optimized for all-day wear and multi-modal data collection, it gives development teams and researchers a proven hardware foundation to start capturing real-world physiological data and testing from day one.

As part of the broader Sensa ecosystem, SensaRing connects with SensaSDK and SensaHub - enabling a more efficient path from early biosignal exploration to a fully customized product tailored to the customer's specific clinical and regulatory needs. Developed under ISO 13485 with processes aligned to IEC 62304.

CORE FEATURES

- **Form Factor:** Ring-form wearable for finger wearing position
- **Sensors:** 1-Channel ECG, PPG, EDA, Skin Temperature, 6-Axis IMU
- **Connectivity:** Bluetooth 5.4 LE + NFC
- **Battery Life:** Up to 7 days on a single charge
- **SensaSDK:** Raw data access for algorithm & application development
- **SensaHub:** Centralized data collection, visualization & secure download
- **Water resistance:** IP67, Ultralight (~3g)

APPLICATIONS

- Continuous heart rate and wellness monitoring
- Sleep quality tracking with motion + PPG
- Stress/mental health monitoring via EDA
- Activity and fitness applications
- Research studies requiring multi-modal biosignals



SAVE
06 MONTHS
OF DEVELOPMENT

READY TO ACCELERATE YOUR MEDTECH PROGRAM?

Weeks 1-4

Phase 1. POC Development

Select SensaRing hardware. Develop on SensaSDK. Deploy to beta users. Collect sensor data via SensaHub.

Months 1-3

Phase 2. Funding & Validation

Raise funding with POC proof. Conduct pilot studies. Validate clinical assumptions with real data. Finalize regulatory pathway.

Months 3-9

Phase 3. Product finalization

ITR customizes hardware and optimizes firmware for target use cases. Conduct lab testing. Prepare Design History File and ensure manufacturing readiness.

Months 9-12+

Phase 4. Market preparation

Regulatory submission (FDA/EU MDR). Ramp up manufacturing. Sales and distribution launch. Post-market surveillance.

**FULL ACCESS TO
RAW BIOSIGNALS
FROM DAY ONE**

Compliant with international standard

