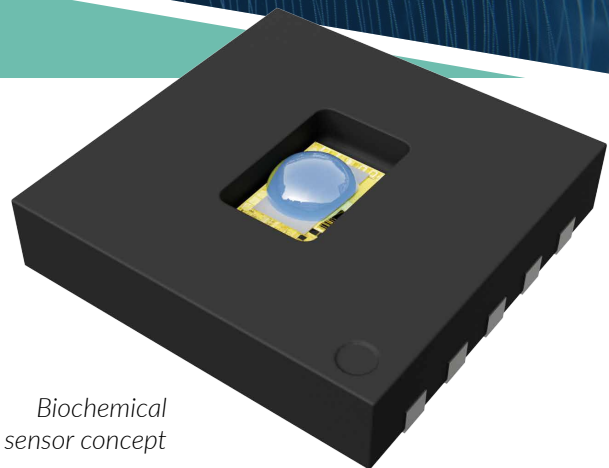


BIOSENSING

Sense your health

Today, Melexis' main contribution in digital health sensing consists of far infrared (FIR) technology for contactless temperature sensing.

Our innovation activities in digital health include biomagnetic and biochemical sensing. Biosensing enables the sensing of biomarkers in body fluids like sweat, tears, interstitial fluid, a drop of blood and in exhaled air. We deliver innovative BioFET sensors.



Biochemical sensor concept

INNOVATE WITH HEART

Make remote health monitoring easier, more precise and faster

- Optimize system performance
- Simplify electronics design
- Enable simpler digital health monitoring

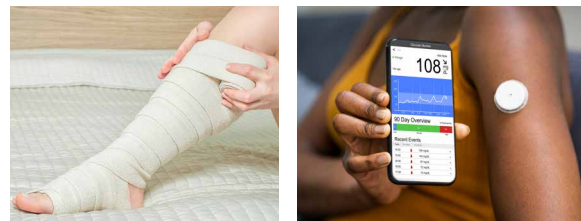
APPLICATIONS

Facilitate health monitoring

- Fast in-vitro diagnostics (IVD) in point-of-care (PoC) or at home
- Personal health sensing via smart skin patches and other wearables
- Megatrend for aging population requiring increased health tracking

SECRET INGREDIENTS

- Technologies: testing and prototyping
- Process: exploring manufacturability of biosensors in electronics foundries
- Patent: fast and low-noise biomarker concentration detection



Abbreviations & definitions

- IVD In-vitro diagnostics
- PoC Point-of-care
- BioFET Biosensor field-effect transistor
- Biomarker Measureable indicator of biological condition



Contact us at digital-health@melexis.com

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