

Neuromuscular Monitoring Sensors,
Designed with Sustainability in Mind

TETRASENS with EZClick™

SUSTAINABILITY
BY DESIGN

Precision Placement. Intuitive Design. Proven EMG Performance.

TetraSens® reflects Senzime's commitment to improving both usability and environmental responsibility across the product lifecycle:

~50% advancement in dielectric material sustainability through innovative electrode design while maintaining the same performance specifications

~98% improvement in transport-related emissions impact via a regional European supply chain*

Recyclable packaging and digital documentation (eIFU) to reduce waste

Engineered for Sustainability.

TetraSens® with EZClick builds on the trusted performance of the original TetraSens EMG sensor, now redesigned to make sensor placement more intuitive, workflows easier, and supply chains more sustainable.

Designed for Easier Placement.

Visual guidance for faster, more consistent sensor placement

New design elements help clinicians quickly align the sensor to the nerve pathway for optimal signal strength and quality.

New intuitive placement features:

- Markers clearly identify the electrodes' position underneath
- Dotted placement guide assists with accurate alignment along the ulnar nerve (hand) or posterior tibial nerve (foot)
- White centerline highlights stimulation pathway
- Improved visual orientation with updated sensor branding layout

Reliable Adhesion. Biocompatible Materials. Trusted Quantitative Monitoring.

Designed for use with the Next-Generation TetraGraph® quantitative train-of-four monitor, TetraSens supports accurate neuromuscular monitoring to help guide optimal neuromuscular blocking agent dosing, reversal, and recovery assessment.

TetraSens uses advanced, sustainable medical-grade materials across all skin-contact components, designed to maintain secure adhesion throughout surgery while remaining gentle on patient skin.

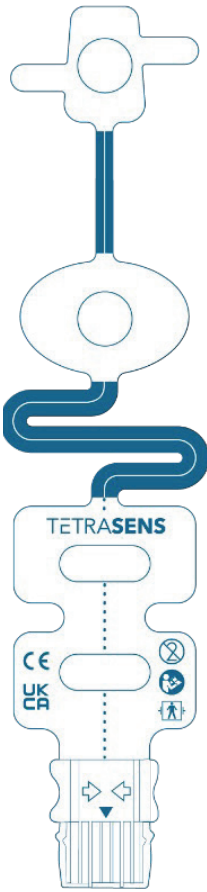
The electrode array uses ISO 10993-compliant biocompatible materials to support patient safety and skin compatibility throughout use.

*Scope 3:

Calculation of carbon emissions related to final product delivery from manufacturing to warehouse.



TetraSens Sensor Overview



The sensor

Part number: SEN2012

Sensor type: disposable integrated EMG strip sensor

Electrode configuration: 2 stimulating electrodes, 1 recording electrode, 1 reference electrode

Monitoring locations: ulnar nerve and posterior tibial nerve

Recording muscles:

- Hand: adductor pollicis or abductor digiti minimi
- Foot: flexor hallucis brevis

Duration of use:

Single patient use – up to 24 hours

Packaging:

- Each sensor is sealed in a protective pouch designed to maintain hydrogel stability and support a 3-year shelf life
- 20 individually pouched sensors per box
- Outer packaging made from recyclable materials

Materials

- All materials of TetraSens electrode array with direct intact skin contact are identified as biocompatible according to ISO 10993-1:2018
- Main materials that have skin contact are polyacrylate co-polymer based hydrogel, acrylic adhesive and polyester ink
- RoHS and REACH compliant
- Phthalates (DEHP, DBP, DIBP and BBP) and latex free
- The product is not exposed to any residues such as ETO, polishing residuals, PFAS, dimethyl fumarate or other residues during the manufacturing steps

Box dimensions, weight and material

Width: 10.6 cm

Length: 30.7 cm

Height: 4.8 cm

Weight: ca. 240 g

Material: Cardboard

Pouch dimensions, weight and material

Width: 9.5 cm

Length: 30 cm

Height: ca. 0.2 cm

Weight: ca. 12 g

Material: PET, AL, PE

Environmental:

	Transport and short-term storage (within 34 days)	Long-term storage	During use
Temperature	0°C to 55°C	5°C to 27°C	15°C to 35°C
Atmospheric pressure range	No particular requirement	No particular requirement	70 kPa to 106 kPa
Relative humidity	No particular requirement	No particular requirement	10% to 85% non-condensing

Standards compliance

- IEC 60601-1: Medical electrical equipment – Part 1: General requirements for basic safety and essential performance
- IEC 60601-1-2: Medical electrical equipment – Part 1-2: General requirements for basic safety and essential performance – Collateral Standard: Electromagnetic disturbances – Requirements and tests
- IEC 60601-2-40: Medical electrical equipment – Part 2-40: Particular requirements for the basic safety and essential performance of electromyographs and evoked response equipment
- ISO 10993: Biological Evaluation of Medical Devices
- Applicable clauses in ANSI/AAMI EC12: Disposable ECG Electrodes

The Complete Quantitative Monitoring Solution

TetraSens is designed to work seamlessly with TetraGraph Classic (SEN 2001) and Next-Generation TetraGraph® (SEN 2015) quantitative neuromuscular monitor, delivering reliable monitoring throughout the perioperative pathway.

From intubation to extubation:

- Intubation Readiness Indicator
- Quantitative neuromuscular monitoring
- Post-tetanic count monitoring
- Objective recovery confirmation



Learn more at [Senzime.com](https://www.senzime.com) or contact your local representative to order your TetraSens sensors.
[Senzime.com/NextGen](https://www.senzime.com/NextGen)