PRODUCTS

Evoked Potentials

inventis
Audiology & Balance

Celesta



Clinical Auditory and Vestibular Evoked Potential



Unmatched Flexibility and Scalability

Celesta is designed to adapt to your clinic's evolving needs, offering a versatile and scalable solution. With a flexible licensing system, you can configure the device to suit your specific requirements, upgrading capabilities as your practice grows.

Choose from different versions tailored to various clinical applications:

- **EP Basic:** includes ABR and eABR, perfect for essential auditory diagnostics needs.
- **EP Plus:** unlocks advanced features with ECochG and MLR/LLR, in addition to everything in the EP Basic license.
- **EP VEMP:** dedicated to vestibular assessment, featuring oVEMP and cVEMP for comprehensive evaluations.
- **EP HEARLab® ACA:** module dedicated to cortical speech audibility assessment and post-fitting validation, allowing clinicians to objectively assess whether amplified speech-like stimuli elicit a detectable cortical response under the tested fitting condition.

LICENCE	EP Basic	EP Plus	VEMP	EP HEARLab® ACA
ABR	✓	✓	—	—
ECochG	—	✓	—	—
MLR/LLR	—	✓	—	—
eABR	✓	✓	—	—
cVEMP oVEMP	—	—	✓	—
HEARLab® ACA	—	—	—	✓
TWO CHANNELS	OPT.	OPT.	OPT.	—

Additionally, Celesta offers the flexibility to be configured as a **one-channel** or optionally upgraded to a **two-channel system**, providing the adaptability necessary for diverse clinical environments.



Seamless Integration in Maestro Software

Celesta is fully integrated with **Maestro**, the Inventis unified platform that manages all devices in a simple and efficient way. With Maestro, clinicians can perform **audiological, vestibular and evoked potentials tests** while organising all results within a single patient report.

Celesta offers a **complete range of stimuli**, including Click, Chirp, Tone Burst, White Noise for masking, and **speech-like stimuli** (/m/, /g/, /t/, /s/) dedicated to HEARLab® ACA. It also supports **multiple diagnostic outputs**, including air conduction (supra-aural and insert earphones), bone conduction, and free-field stimulation.



Free-field stimulation is optimised for the automated acquisition of cortical evoked potentials, ensuring great versatility across different clinical applications.

Celesta also provides fast and reliable acquisitions thanks to **Bayesian Weighting**, which reduces the impact of patient noise during ABR recordings.

HEARLab® ACA: Cortical assessment for post-fitting validation



The **HEARLab® ACA (Auditory Cortical Assessment)** module expands Celesta's capabilities by adding objective cortical information to the hearing-aid fitting pathway.

Following hearing-threshold estimation and the initial hearing-aid fitting, ACA helps clinicians assess whether amplified speech-like stimuli elicit a detectable cortical response under the tested fitting condition. Using speech-like stimuli presented in free field and automated statistical response detection (p-value), ACA provides objective information that can support post-fitting validation, particularly when reliable behavioral confirmation is unavailable or insufficient.

Its statistical approach and guided workflow also help reduce reliance on visual waveform interpretation alone, making cortical assessment practical even without extensive prior electrophysiology experience.

Estimate hearing threshold → Initial hearing-aid fitting based on prescription → HEARLab® ACA for objective post-fitting validation → Behavioral assessment when reliable responses become available.

Advanced Functionalities

Single-Channel Configuration with Automatic Switch

Celesta introduces a user-friendly single-channel configuration, ensuring intuitive setup. The system's internal automatic switch eliminates the need for manual cable swapping, allowing clinicians to place electrodes once without further adjustments.

Vertex Short Circuiting

Celesta enables easy switching between 5-electrode and 4-electrode configurations directly from the software, removing the need for an additional Y-cable to duplicate the vertex signal.

Electrode Connection Indicators

Integrated LED lights guide the clinician during the patient preparation phase.

Dual Button on the Bioamplifier

With Celesta, clinicians can check impedance levels and start epoch acquisition directly from the bioamplifier, even when positioned away from the computer.



One Cable, Two Functions: Power and Control

Featuring an intuitive design and cutting-edge technology, Celesta ensures maximum convenience: a single USB cable powers the device and enables seamless control from your computer via Maestro software. A simple, efficient solution to streamline your daily workflow.



Separate VEMP Exams

Celesta distinguishes cervical and ocular VEMP as two separate tests, avoiding the need to manually adjust parameters for each exam. This separation ensures clarity and accuracy in test management and result interpretation.

Evoked Potentials

Celesta, Inventis' advanced system for auditory and vestibular evoked potentials, offers flexibility, precision and ease of use. With an intuitive interface and compatibility with Maestro software, it seamlessly integrates into clinical workflows.

Accessible

For everyone

Celesta is an easy-to-use and accessible device for everyone.

Flexible

Modular system

A versatile and scalable solution that adapts to different clinic needs.

Integrated

Maestro software

An integrated approach that boosts clinical efficiency and effectiveness.

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