

# HERMES

Professional Audiometry

# HERMES

## PC-Based, dual channel Clinical Audiometer



HERMES is a clinical, PC-Based audiometer, featuring two independent channels. It allows high precision pure-tone audiometry, speech audiometry and supraliminal tests in a few click.

Compactness, elegant design and light weight allow to perform tests in all the possible conditions, and to respond to the professional needs of portability.

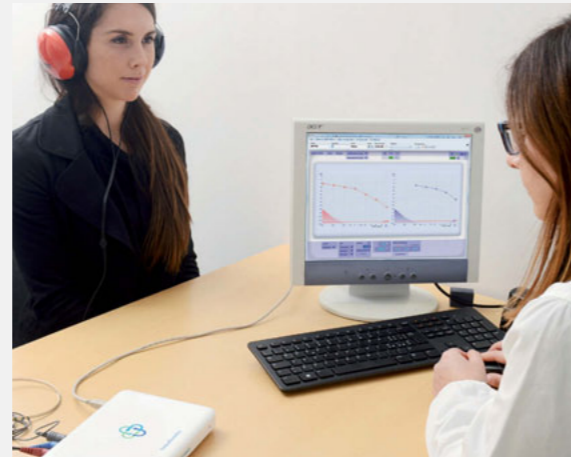
## HERMES PRO FOR THE ENT CLINIC AND THE PRIVATE PRACTICES



HERMES is equipped with all the essential functions for hospitals and clinical practices, like:

- Pure tone and speech audiometry by AC and BC
- Optional high frequency transducers
- Supraliminar tests
- Easy interface with sound-proof booths
- Data sharing between distant departments

## HERMES LIGHT FOR THE HEARING AID SPECIALIST



Hermes can meet the needs of the hearing aid specialist, thanks to:

- Portability and small size
- Clinical accuracy of the measurements
- Automatic tests in a few time
- Easy to use software application
- Professional data storage

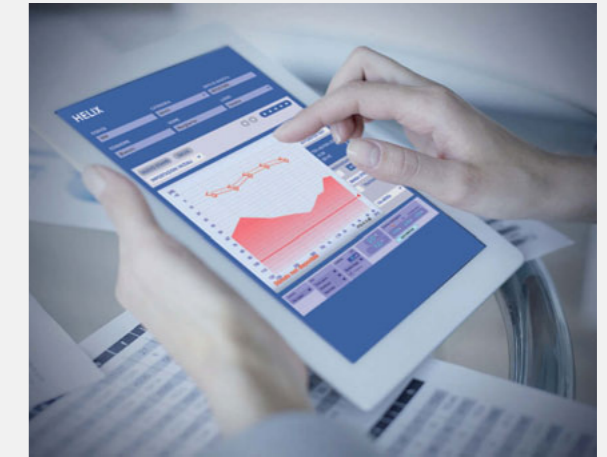
## HERMES BASE FOR THE OCCUPATIONAL DOCTOR



HERMES has a version dedicated to the occupational doctor, responding to the specific needs of that field, such as:

- Fast and reliable pure tone audiometry
- High portability
- Power supply simply by USB port
- Automatic calculations: PTA, Biological damage, Merluzzi
- Professional data sharing by remote connection

## HELIX: EASY MANAGEMENT OF THE PATIENT'S MEDICAL HISTORY



HELIX, the multilanguage software securely and easily manages patients' clinical data, thanks to:

- Customizable patient folders
- Rapid access to the most frequently performed tests
- Safety data storage
- Advanced data sharing by HelixNET licence



# HERMES

You can perform audiometric tests with **HERMES** and you can manage medical records thanks to **HELIX**, an intuitive software, provided with rapid access to the operational section and advanced technological graphics, designed to improve efficiency and help diagnosis, simply **by using your Touch-Screen, mouse or keyboard**. Furthermore, **HELIX stores your data** in a safe and reliable way, thanks to the possibility to periodically **backup and restore** the archive.

Provided with **USB power supply**, **HERMES** can be used in several professional circumstances and it can be easily interconnected to soundproof booths. Among the greatest benefits offered by Hermes we can mention the possibility to display and manage **full-screen audiograms, to reduce the amount of time** needed for performing tests and filling out medical reports and even a great economic saving in technical support and ordinary maintenance, ensuring the precision and skills of a clinical audiometer. Moreover, **HERMES is continuously evolving in time**, thanks to assiduous research and development. You can easily take advantage of that by updating your software.

# workflow accurate and easy to use

By using HELIX you can fully perform an accurate test and manage your patients in a few easy steps:



PREPARATION >



MEASUREMENT >



SAVE AND PRINT >



NETWORK >

- Patient's personal data input
- Default or customizable test protocols
- Internal calibration of the transducers
- Comfortable headphones, featuring high noise absorption

- Automatic or manual measurement
- Pure tone erogation by simply clicking on the audiogram figured on the screen monitor
- One button to start the speech audiometry
- Manual or automatic masking function

- Safe and reliable storage of clinical data
- Graphs comparison available by simply importing previous tests
- Intuitive interface for medical reporting
- Personalized test printing

- Automatic or manual data backup and restore options
- Possibility to connect databases from several locations and operational sites with a HelixNET license

## PURE TONE AUDIOMETRY

Threshold in a few click



By using HERMES, the AC, BC, Free Field pure tone audiometry is intuitive and is rapidly performed, just clicking into the audiogram area of the screen monitor, using a computer keyboard, or simply a touchscreen. You can program the IPSI lateral stimulus, choosing pulsed or continuous tone, warble, normal, or inverted, setting the contralateral NBN or WBN masking, by manual or automatic control.



## SUPRALIMINAR TESTS

SISI, ABLB, Tone decay and Bekesy



HERMES is a complete and reliable clinical audiometer. Provided with two independent channels, HERMES allows the health-care specialist to perform supraliminal tests, such as SISI, ABLB, Tone Decay and Bekesy, with the possibility to adjust the distinctive parameters and by simply using a button. In addition, a clear and comprehensible display of the results remarkably simplifies the final report.

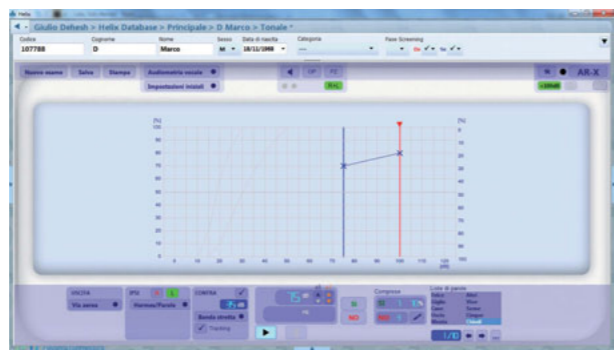


## SPEECH AUDIOMETRY

Versatile and accurate



HERMES allows the health-care specialist to perform speech audiometry regulating the intensity and simply using the PLAY/STOP button. It is also possible to perform word lists, available in several languages, which are saved in the internal storage memory of the device, or to connect a multimedia external support, or, as an alternative, to perform a "live" test, using a microphone.



## HIGH FREQUENCY AUDIOMETRY

Up to 20.000 Hz



HERMES can be connected to HDA280 optional headphones. These headphones are provided with transducers which allow the health-care specialist to perform tests even in an extended frequency range from 8.000Hz to 20.000 Hz. With HERMES high-frequency tests are clinically correct and can be easily executed by using your mouse, keyboard or touch-screen, both from your Tablet and PC.



## AUTOMATIC AUDIOMETRY

Faster and more practical



HERMES allows the health-care specialist to perform automatic audiometry in a precise and intuitive way, by using the mouse or the touch-screen and the patient response button. The innovative HELIX algorithms can guide the patient during the test, performing the final hearing threshold in an amount of time definitely shorter than that required by the most common methods.



## TINNITUS TEST

Tinnitus match in 8 simple steps

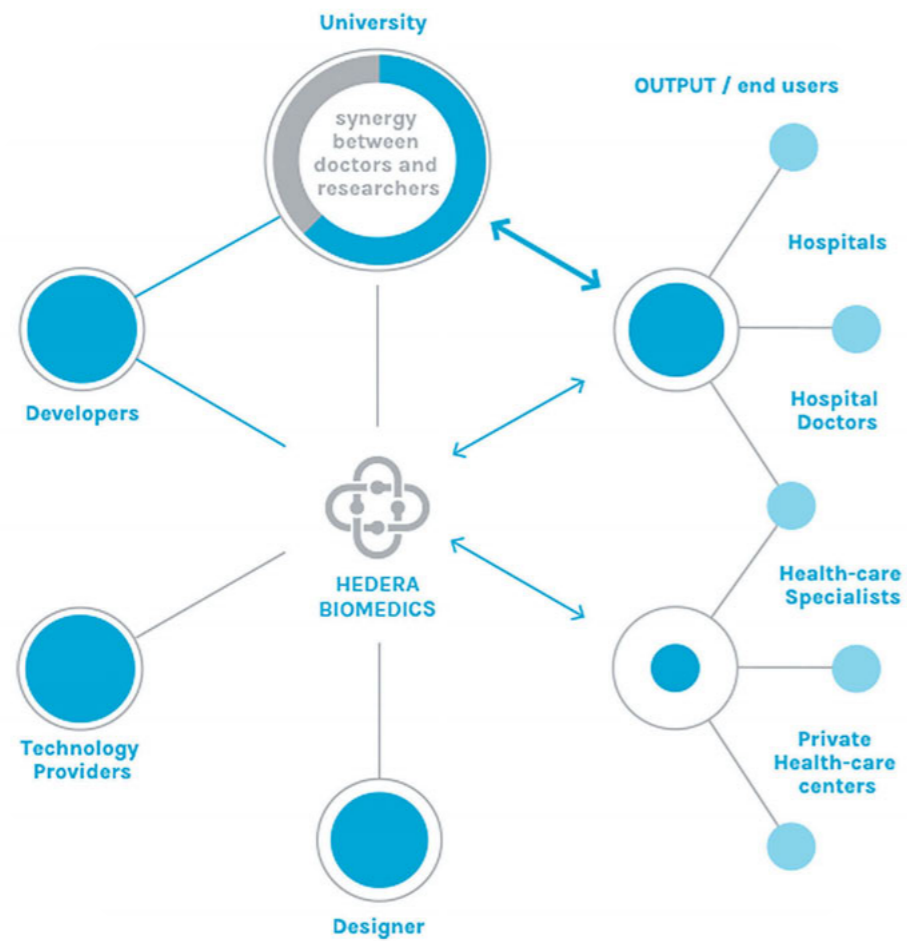


Through the high-frequency option, HERMES allows the health-care specialist to perform the cutting-edge Tinnitus Test. In a few simple steps, the guided procedure precisely identifies the stimulus which can mask the tinnitus and gives relief to the patient in a lot of cases. It is an efficient auxiliary tool for hearing aids which are designed for masking the Tinnitus.



## RESEARCH

Hedera Biomedics actively promotes the scientific research, as it's aimed at innovation, continuous evolution of efficient solutions, and clinical validations, by a strict collaboration between clinicians and up-to-date technologies. In order to achieve these results, Hedera Biomedics offers advantages and dedicated professional solutions, thought to satisfy both health-care specialists and clinical researchers.



## DEVELOPMENT

Hedera Biomedics actively collaborates with the Universities, aiming at the realization of innovative ideas for the efficiency of the daily clinical practices. A constant synergy between doctors and developers leads to develop highly innovative made in Italy equipments. The manufactured solutions will be continuously updated, featuring an excellent price-quality ratio, as a result of a coordinated development in specialized teams.

## INFORMATION AND TRAINING

Hedera Biomedics provides its customers with in-situ or remote professional training, both theoretical and practical, organizing national and international workshops and sharing informative through its website [www.hederabiomedics.com](http://www.hederabiomedics.com). You can have access to our material by registering on our website. By subscribing to our newsletter, every clinician and health-care specialist will be acquainted with the news from the development team and with the updates and the informative articles which are the outcome of the fieldwork of our opinion leaders and of our customers too, aiming at creating synergies to optimize diagnostic procedures and dedicated, efficient solutions

## TECHNICAL SUPPORT

Hedera Biomedics provides technical support and training, ensuring high expertise and prompt assistance. Contact us to receive more information about the following services:

- Periodic calibration of ENT equipments
- Corrective maintenance
- Remote support
- Technical consulting
- Free Trial of Hedera Biomedics products
- On-site or Webinar demonstrations of Hedera Biomedics device performances
- On-site or Webinar training courses on the usage and the high-level product support

### Technical Data Sheet

#### General features

Channels	Two independent channels
Power supply	USB-PC/Tablet
HW/SW interface	USB-PC/Tablet port
Output	Air Conduction (Right, Left) Bone Conduction Free Field Input/Output Talk Back/Talk Over
Input	Patient response switch Aux 1-2 for speech audiometry by external media player
Transducers	Insert ER-5A, TDH39, B71 Bone Vibrator HDA200, HDA280, Active Speakers
Calibration	Software dedicated application for all The supported transducers
Available tests	Hermes light: AC and BC pure-tone audiometry, Automatic audiometry Hermes base: AC and BC pure-tone audiometry, Speech audiometry, Automatic audiometry Hermes PRO: AC and BC pure-tone audiometry, Speech audiometry, Supraliminal tests (SISI, ABLB, Tone Decay, Bekesy), Automatic audiometry
Supported stimuli	Pure-tones, Warble, Masking (NBN, WBN, manual, or automatic by tracking), continuous or pulsed, normal or inverted

Software	Hedera Helix to control stimulation, storage, audiogram visualization, automatic calculations, print, medical reporting Hedera HelixNet optional licence for client-server data sharing from remote locations
Optional tests	High Frequency, Tinnitus Test (8000Hz+20000Hz)
Frequency range	125 Hz + 8000 Hz
Stimulus Intensity	AC -10 ÷ 120dBHL BC -10 ÷ 80dBHL
Speech audiometry	Available for HERMES BASE and HERMES PRO versions Speech audiometry with multilanguage word lists Included into the device memory Live speech test by external microphone Speech audiometry by connecting an external media player
Automatic calculations	Pure-tone audiometry: PTA, Biological damage
Visualization	Single side, RL (Separate), R+L (Superimposed)
Test management	Previous test import for comparison

#### FEATURES

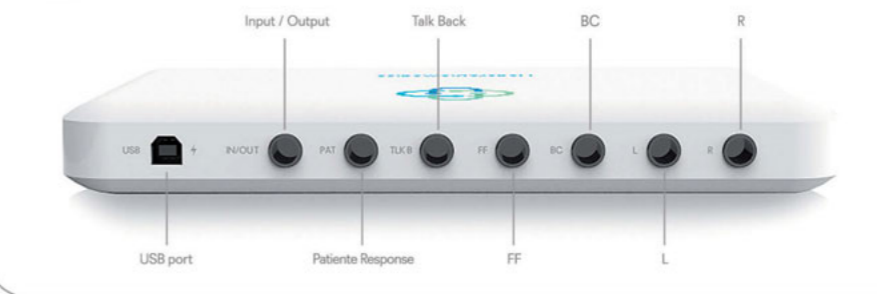
Dimensions (mm)	210X150X25
Weight (g)	300
Classification Standard	Class IIa (DDM 93/42/CEE) CEI EN 60601-1 A1 CEI EN 60601-1-2 CEI EN 60601-1-4/A1 CEI EN 60601-1-6 CEI EN 62304 IEC 60645 ed 3 CEI EN 62366 CEI EN 60529/A2 UNI EN ISO 389 1-9

### HERMES

Front



Rear





[www.hederabiomedics.com](http://www.hederabiomedics.com)

Official Dealer



  Made in Italy