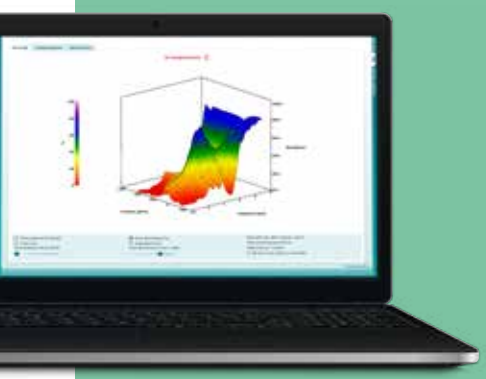
Science **made** smarter

Titan power

Advanced **made** flexible



Impedance, OAE, ABRIS and the revolutionary Wideband Tympanometry in one powerful device.

Interacoustics

Audiometry | **Tympanometry** | **ABR** | **OAE** | Hearing Aid Fitting | Balance

Let your equipment and needs interact

The Titan from Interacoustics is a modular platform that lets you combine the tools you need with handheld freedom and full flexibility – from one trusted supplier.

One size fits all
- Diagnostic
- Advanced Clinical

Customize your Titan for diagnostic or advanced clinical testing. Match the modules with your current needs – and upgrade when your challenges change. The Titan delivers Impedance, ABRIS, OAE and the revolutionary Wideband Tympanometry.

Built for the future
Every Titan software module is developed based on proven technologies and feedback from users and audiology experts. Features are developed in sync with your changing needs and contain the latest technologies making the Titan a future-safe investment.

A preview of the benefits
The Titan is truly a mighty platform with ease of use, professionalism and convenience in one device. Look forward to:

- Superior, professional aesthetics
- Lightweight
- High resolution color display
- Patient-centered testing through multiple probe and transducer configurations
- Handheld and PC mode for full flexibility
- Easy to use with even a minimum of technical understanding
- Supreme usability through storage of calibration values in probe and ID-transducers

The first and
only one of its kind
4 superior modules
in 1 device

Set your winning combination on one mighty platform

Customize your Titan through dedicated software modules to create a winning combination for screening, diagnostic and advanced clinical testing.

IMP440

Diagnostic and clinical impedance

ABRIS440

Automated ABR for infant screening

DPOAE440

Clinical OAE

TEOAE440

Clinical OAE

From standard diagnostic to advanced clinical testing, the Titan is created with superior usability in mind. From pre-set protocols to customized settings, you will benefit from intuitive interfaces and a professional design.

IMP440 for every thinkable task

Your multi-tasking business partner
The IMP440 is available in a diagnostic or clinical version. It features standard tympanometry, ipsilateral and contralateral acoustic reflexes, reflex decay and reflex latency, as well as three Eustachian tube function tests.

The fastest, most reproducible tympanometry available
IMP440 delivers tympanometry through advanced technologies. These include: "Endless airflow" pressure control technology, high resolution recordings and an intelligent pump system with an adaptive speed control around the tympanic peak. The IMP440 module will help streamline and improve your daily workflow – in record speed.

IMP440 comes with...
Three Eustachian tube function tests
Intact, perforated and patulous
Ipsi and contra acoustic reflexes
Quick screenings at a single intensity or fast threshold searches
Reflex decay
Ipsilateral as well as contralateral stimulation
Reflex latency
Detailed investigation at the onset of the reflex
Optional high frequency probe tones
(678, 800 and 1000Hz)
Shoulder unit and probe indicator LED
For ease of use and visual feedback of status

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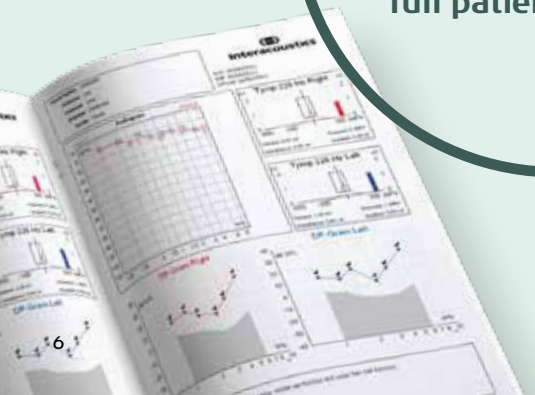
Pre loaded or customized? Use existing or create your own protocols and print templates

The embedded Print Wizard in the Titan suite can merge data from all four modules and other Interacoustic Suites for full patient reporting.



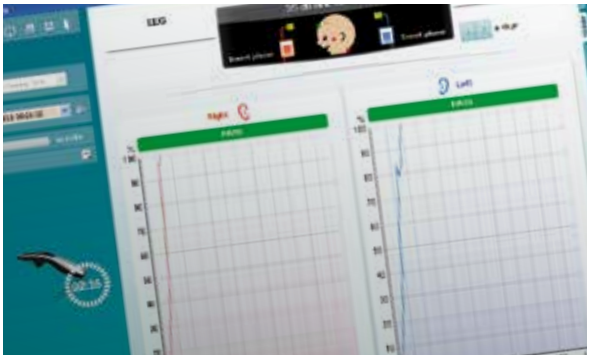
ABRIS440 Automated ABR in seconds

Automated ABR
The ABRIS440 module for Titan is fast and easy automated ABR testing for infants. The screening module uses the ground breaking CE-Chirp® stimulus reducing test time by up to 50% compared to traditional click stimuli. With an easy to understand display (PC or handheld device), HiTrack compatibility and user customizable protocols, the ABRIS440 combines fast, quality testing with unrivaled usability.

Simply press "START"
Following patient preparation, simply press start and await a pass/refer result. Minimal testing is required and the ABRIS440 default CE-Chirp® protocol provides a reliable automated ABR test with a sensitivity of 99.9% and a specificity of more than 96%. Choose from four transducers that are automatically detected when connected to the preamplifier.

CE-Chirp® Stimulus Family

Stimulus compensates for the cochlear travel time. The result is a response amplitude up to twice the size compared to a standard click.



Flexible freedom
The flexible design ensures that any screening program or advanced audiology department can adapt protocols to meet their exact test requirements. As a hybrid, the Titan can be operated either handheld or from your PC.

DPOAE440
TEOAE440
Unparalleled speed and efficiency

"
State-of-the-art diagnostic OAE device including automatic protocols and combined printing.

With you through any challenge
The DPOAE and TEOAE modules ensure exact intensity stimulation throughout the test and monitors the ongoing noise resulting in the most accurate results achievable. Combined with Bayesian weighted averaging that counteracts excess patient noise, the software is extremely efficient especially for infant testing.

The DPOAE and TEOAE modules provide unsurpassed flexibility and a comprehensive frequency range for a full diagnostic evaluation. Customizable protocols offer an unlimited number of tests utilizing a multitude of parameters including stimuli, intensity, stop criteria and much more.

Both modules are capable of performing pressurized OAE measurements, which is especially useful when testing infants & younger children with middle ear conditions. The technique reduces the effects of negative middle ear pressure and more children can potentially be diagnosed earlier.

Clinical highlights
DPOAE440 & TEOAE440
- DP range 500Hz-10kHz
- TE range 500Hz-5.5kHz (30-90 dB SPL)
- Fully customizable protocols
- Basic & Advanced view
- Manually controlled test time
- Unlimited test points
- Advanced AGC
- Bayesian weighted averaging
- Noah & Hitrack compatibility
- DP Input/Output test
- 226Hz tympanometry
- Operate from Titan or PC
- Pressurized OAE

DPOAE440
DP-Gram with a PASS in bar view

Wideband Tympanometry

Wideband Tympanometry – WBT – Expands our understanding of the middle ear.

WBT provides a 3-dimensional diagnostic insight of middle ear pathology.

One shot:
Multiple tympanograms
Differentiate pathologies with the aid of a powerful 3D image of tympanometric data across a full range of frequency and pressure. The power of a click alternative to measure at peak pressure.

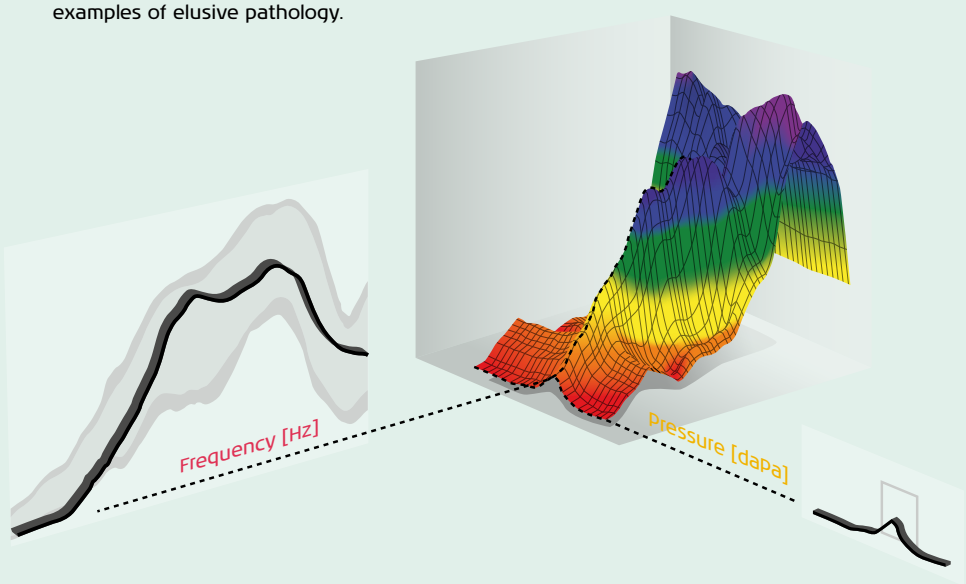
The power of a click
The Click stimulus unlocks the power of Multi-Frequency Tympanometry in the same time as testing a single frequency.

The 3D result reveals information of middle ear performance at any frequency across a full range of pressure change.

Combine with OAE and automated ABR
WBT provides missing data about middle ear conductive issues that will enhance a diagnosis based either on OAE or ABR alone.

3D graphs
Absorbance is revealed in a multi-dimensional 3D graph that enables the clinician to have an immediate understanding of middle ear performance across frequency and pressure. Diagnostic interpretation is made easy with a clear map of middle ear function.

No extra skills required
WBT is easy and yet comprehensive. Differential diagnostics are made much more intuitive with the aid of overlaid normative data. Compare to illustrated examples of elusive pathology.



A clear benefit
WBT streamlines middle ear diagnostics and provides accurate and specific measures across a comprehensive frequency range.

Science **made** smarter

Interacoustics is more than state-of-the-art solutions

Our mission is clear. We want to lead the way in audiology and balance by translating complexity into clarity:
- Challenges made into clear solutions
- Knowledge made practical
- Invisible medical conditions made tangible and treatable

Our advanced technology and sophisticated solutions ease the lives of healthcare professionals.

We will continue to set the standard for an entire industry. Not for the sake of science. But for the sake of enabling professionals to provide excellent treatment for their millions of patients across the globe.

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Go online to explore our full product range

Related products

Eclipse
One platform for AEP, ASSR, VEMP and OAE.

AD629
Diagnostic audiometer

Viot™
Video Otoscope

Product specifications
All technical and hardware specifications concerning all products can be downloaded from our website.

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