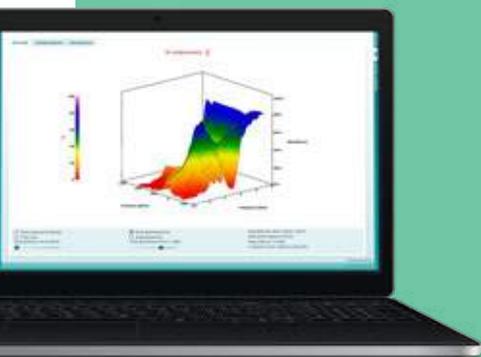


Science made smarter

# Titan

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**

- Screening
- Diagnostic
- Advanced Clinical

Customize your Titan for screening, diagnostic and 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

Screening, diagnostic and clinical impedance

## ABRIS440\*

Automated ABR for infant screening

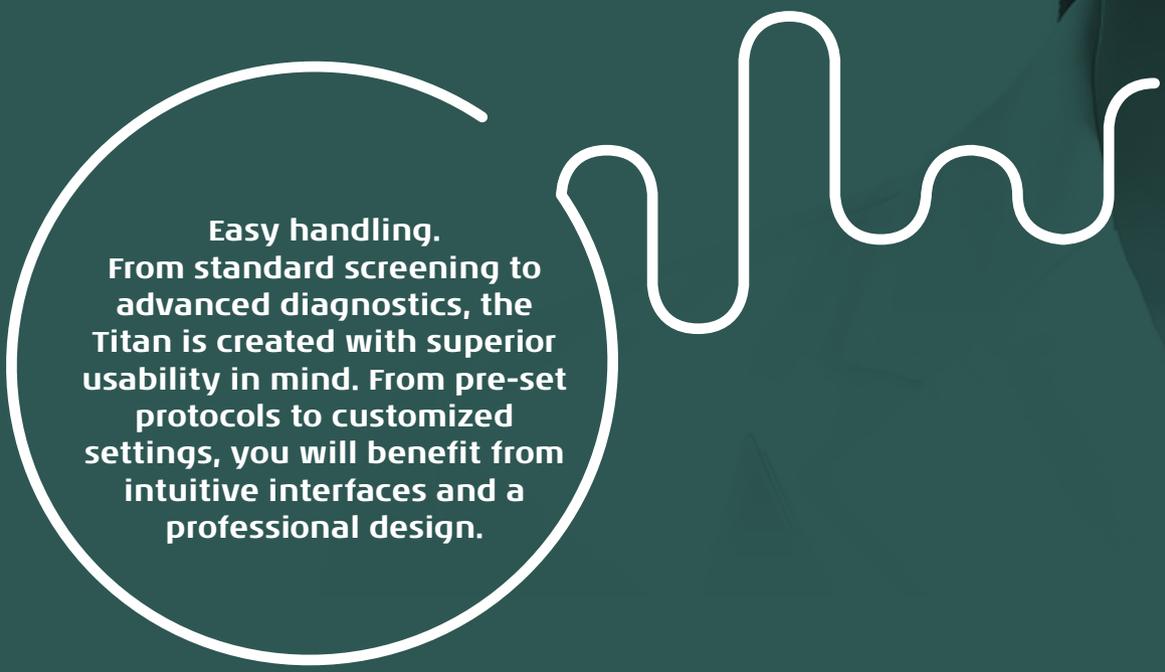
## DPOAE440

Screening and clinical OAE

## TEOAE440

Screening and clinical OAE

\*Not available in all markets



**Easy handling.**  
From standard screening to advanced diagnostics, 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 screening, 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



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

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



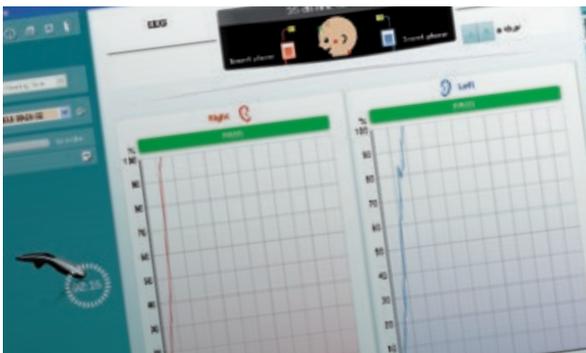
# ABRIS440\* Automated ABR in seconds

## Automated ABR

The ABRIS440 module for Titan is fast and easy automated ABR testing for infants and adults. The screening module uses the ground breaking CE-Chirp® stimulus and weighted averaging to reduce 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 test time is required and the ABRIS440 default CE-Chirp® (35dBnHL) 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.



\*Not available in all markets



## CE-Chirp® Stimulus Family

Stimuli that compensate  
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 Easy screening and diagnostics

## OAE modules with specialized advantages: diagnostic OAE assessment and newborn hearing screening.

### With you through any challenge

The screening versions offer speed, precision and user-friendliness. The Titan ensures 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 screening.

The clinical versions 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.

### Screening highlights

#### DPOAE440 & TEOAE440

- DP range 0.5-6kHz
- TE range 1-4.5kHz (60-84 dB SPL)
- Customizable PASS/REFER criteria
- Advanced AGC
- Bayesian weighted averaging
- Noah & Hitrack compatibility
- 226Hz tympanometry
- Operate from Titan or PC (optional)
- Online quick guides for fast learning
- Pressurized OAE (optional)

### 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 adds a new dimension in differential diagnostics.

**One sweep:**

**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**

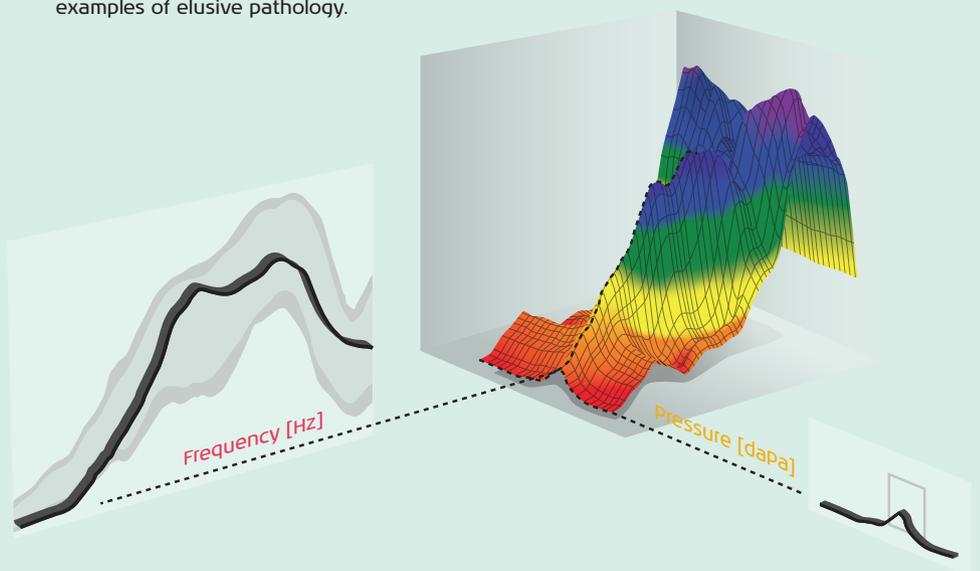
WBT provides missing data about middle ear conductive issues that will enhance a diagnosis based either on OAE or ABR alone.

**3D graphs**

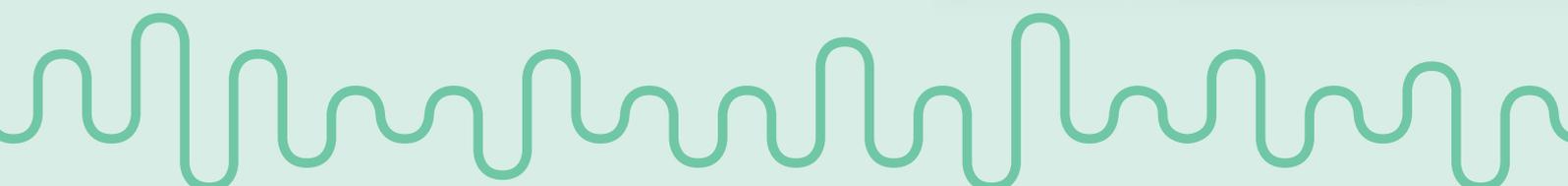
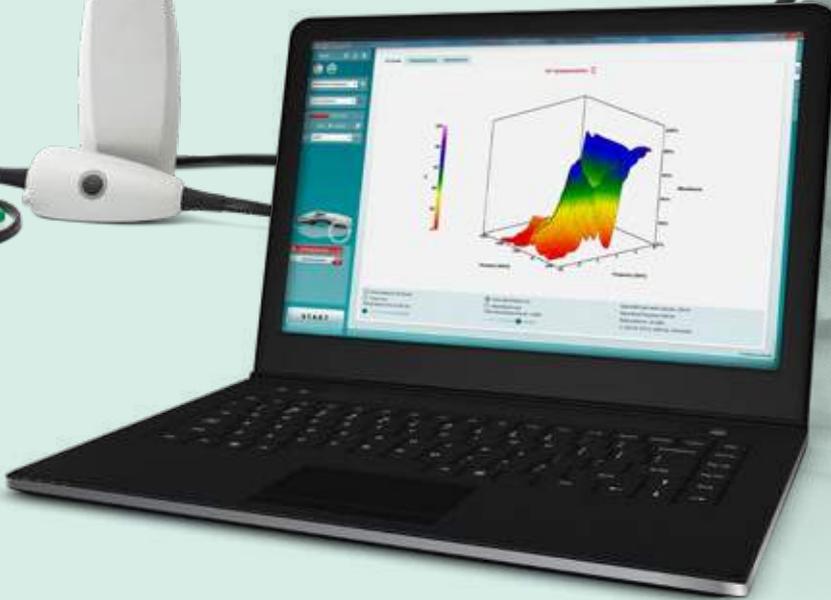
Absorbance is revealed in a multi-dimensional graph that enables the clinician to have an immediate understanding of middle ear performance across frequency and pressure. Diagnostic interpretation is made easy with a clear map of middle ear function.

**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.

[Interacoustics.com](http://Interacoustics.com)

Interacoustics A/S

Audiometer Allé 1  
5500 Middelfart  
Denmark

+45 6371 3555  
[info@interacoustics.com](mailto:info@interacoustics.com)

[interacoustics.com](http://interacoustics.com)

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.



# Interacoustics

Audiometry

Tympanometry  
~~~~~

ABR  
~~~~~

OAE  
~~~~~

Hearing Aid Fitting

Balance