

# Titan Screener

Middle Ear Analyzer



*Fast and portable*



**Interacoustics®**

leading diagnostic solutions

# Titan Screener

## Middle Ear Analyzer

### “Ready, Get Set, GO!”

In modern healthcare settings fast and reliable testing is essential. The Titan screener is built to meet these requirements in an easy and flexible way. For example otitis media, a major cause of temporary or permanent hearing impairment in children, can be easily and quickly detected with the Titan screener.

#### Fast

- A unique and robust pump design that ensures good test results under the conditions provided
- Pre-defined protocols allow you to quickly get a tympanogram or ipsilateral reflexes

#### Ease of use

- Titan follows a ‘plug and play’ principle. As soon as a seal is detected the measurement will start
- The intuitive navigation of Titan offers an easy workflow
- Ergonomic design for easy handling

#### Portability

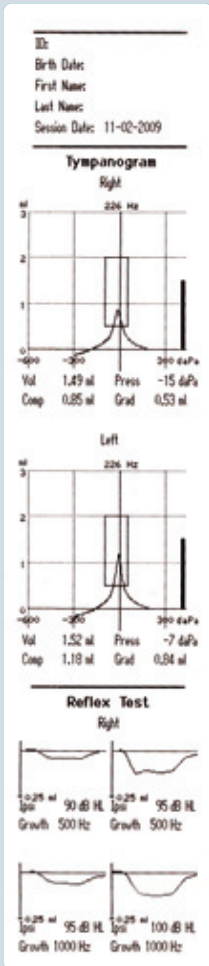
- 3.5 hours continuous test time on a single charge
- 250 patient storage
- Slim design and only 360 grams/0.8lbs
- Light-weight carrying bag

#### Applications

The Titan screener is a competent tool for both adult and infant screening and can be used in various situations, e.g. screening tympanometry at school, high probe tone tympanometry after neonatal infant screening, tympanometry and ipsilateral reflexes as part of a standard audiological assessment, etc.

#### Other features

- 226 Hz and optional high frequency (1000Hz) probe tones for infant and adult testing
- Pure tone, narrow band and broad band stimuli
- Tympanometry, reflex fixed and reflex growth
- Full range of ear tips
- Single hand operation or optional PC-operation
- Charging directly from mains or through the optional cradle
- Extended probe cable for more flexibility and stability (optional)
- USB or optional Bluetooth connection with Titan Suite
- Wireless Bluetooth printout on thermal portable printer (optional)
- Supported languages: English, German, French, Italian and Spanish
- Noah and OtoAccess™ compatible
- Electronic Medical Record integration possibilities



Printout via the optional portable printer





# Technical Specifications

## Impedance Measuring System

<b>Probe tone:</b>	Frequency: 226 Hz and optionally 678 Hz, 800 Hz and 1000 Hz Level: 69 dB HL with AGC, assuring constant level at different ear canal volumes.			
<b>Compliance:</b>	Range: 0.1 to 8.0 ml at 226 Hz probe tone (Ear volume: 0.1 to 8.0 ml) and 0.1 to 15 mmho at 678, 800 and 1000 Hz probe tone.			
<b>Indicators:</b>	Graphical display Compliance is indicated as ml and pressure as daPa. In PC-controlled mode admittance, susceptance and conductance can be printed. Stimulus level is indicated as dB Hearing Level.			
<b>Memory:</b>	Tympanometry: 1 curve per ear per tympanometry test. 3 curves per ear per Eustachian tube function test. And theoretically an infinite number of tests per protocol.			
<b>Test types:</b>		Screening	Diagnostic	Clinical
	• Tympanometry Automatic (flexible start and stop pressure)	x	x	x
	• Tympanometry Manual	-	-	x
	• ETF1 – Non perforated eardrum (Williams test)	n/a	x	x
	• ETF2 – Perforated eardrum (Toynbee test)	n/a	n/a	x
	• ETF3 – Patulous Eustachian tube (Sensitive baseline tympanometry for 10 up to 60 seconds)	n/a	n/a	x

## Reflex Functions

<b>Test types:</b>		Screening	Diagnostic	Clinical
	• Automated Reflex with single intensities or reflex growth			
	- Ipsilateral	x	x	x
	- Contralateral	n/a	x	x
	• Manual control of all reflex functions	x	x	x
	• Reflex decay, automatic 10 dB above threshold or manually controlled with stimulus duration of 10 up to 30 s	n/a	x	x
	• Reflex latency, automatic 10 dB above threshold or manually controlled, first 300 ms from stimulus start	n/a	n/a	x

**USB:** For transferring, viewing and storing measurements and patient data from and to the PC using the Titan Suite software (Noah and OtoAccess™ compatible and XML standalone operation). The PC-controlled mode requires the Diagnostic or Clinical version.

**Printer** Optional thermal printer (wired or BT) as well as print option through PC suite. Possibility of printout on HP A4 printers (Officejet H470, HP Deskjet 6940) via Bluetooth

**Compatible Windows software:** Interacoustics Database OtoAccess™ and NOAH3

**Power supply:** ASA30M – 0301

**Dimensions/weight:** (LxWxH) 6x6x28cm/2.4x2.4x11inch. Weight: 360 grams/0.8 lbs

**Impedance standard:** Impedance: IEC 60645-5/ANSI S3.39, Type 1. Safety: IEC 60601-1, Class I, Type B.

**Medical CE-mark:** Yes

<b>Included parts Titan:</b>		Screening	Diagnostic	Clinical
	Titan handheld unit with basic probe	x	x	x
	Cradle	optional	x	x
	ASA30M Power supply (with converter)	x	x	x
	Clinical probe extension	optional	x	x
	CIR55 contra insert headset	n/a	x	x
	BET55 Ear tips and box	x	x	x
	DG – LiBat – 001 back-up battery	x	x	x
	4 cavities (0.2, 0.5, 2 and 5cc)	x	x	x
	Titan PC suite with IMP440	x	x	x
	OtoAccess™	optional	x	x
	Operation manual	x	x	x
	Multilingual CE manual	x	x	x
	TCB Carrying Bag	x	x	x
<b>Optional parts Titan:</b>		optional	optional	optional
	Short probe extension	optional	optional	optional
	Thermal printer AB1310/AB1310 Bluetooth	optional	optional	optional
	TDH39 contra cup headset	n/a	optional	optional
	EARtone 3A insert headset for contra	n/a	optional	optional

## Other Middle Ear Analyzers:

- Titan Clinical / Diagnostic Middle Ear Analyzer
- AT235 Middle Ear Analyzer
- AT235h Middle Ear Analyzer with high probe tones
- MT10 Handheld Tympanometer

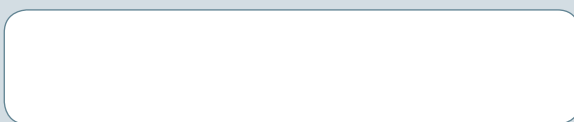
## Audiometry and Middle Ear Analyzer in one:

- AA222 Audio Traveller



Titan carrying case

## Sales and service in your area:



Read more here:  
[www.interacoustics.com/com/Titan](http://www.interacoustics.com/com/Titan)

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leading diagnostic solutions