

AURICAL Aud

Frequency range	
Insert earphones:	Standard frequencies: 125 - 8000 Hz
ME-70, HOLMCO, SF, TDH39, HDA-200 earphones:	Standard frequencies: 125 - 12500 Hz
BC:	Standard frequencies: 250 - 8000 Hz
Accuracy:	> 0.03%
Narrow Band Noise masking:	Available for each stimulus frequency
Frequency resolution:	125 to 12500 Hz at standard frequencies
Stimulus types	
Tone audiometry:	Tone, Warble, Pulsed tone, Pulsed warble
Masking types	
AC, BC, SF:	Narrow Band Noise (Correlated) Speech Weighted Noise (Correlated) White Noise (Wide band noise) (Correlated)
Stimulus modulation	
FM (Warble):	Adjustable modulation rate and depth Modulation rate: 1-20 Hz (default: 5 Hz) Modulation depth: 1-25% of center frequency (default: 5%)
SISI:	1, 2, 5 dB increments
Signal presentation	
Accuracy over the entire level range (AC):	125 to 5000 Hz: ±3 dB, 5000 to 12500 Hz: ±5 dB
Accuracy over the entire level range (BC):	250 to 5000 Hz: ±4 dB, 5000 to 8000 Hz: ±5 dB
Attenuator resolution:	1 or 5 dB step resolution over the entire range
HL Range:	Maximum output will be limited by the transducer
Total harmonic distortion:	Air < 2.5 %, Bone < 5 %
Stimulus presentation	
Normal:	The signal is presented when the Stimulate button is pressed
Continuous ON:	The signal is interrupted when the Stimulate button is pressed
Pulse:	The signal is pulsed
Pulse duration:	200 ms on and 200 ms off (configurable)
Selectable transducers	
AC:	TDH 39, ME-70, HOLMCO, HDA 200 headphones, and Insert Earphones
BC:	B71 (Mastoid placement)
SF:	Passive sound field speaker, using the built-in amplifier in AURICAL Aud, or Sound field speaker with built-in amplifier or external amplifier, with both types using the line output from AURICAL Aud
Transducer options depend on how AURICAL Aud is ordered and calibrated	
Outputs	
AC:	2 x 2 mono jacks, 6.3 mm (1/4 ")
BC:	1 x mono jack, 6.3 mm (1/4 ")
SF power output:	3 x 2 terminals, 3 x 40 W peak, 8Ω load
SF line output:	2 x 1.6 Vrms
Inputs	
CD/Analog line in:	0.2 to 2.0 Vrms, 10 kΩ 1 stereo 3.5 mm (1/8") jack
Talk Back microphone:	Electret microphone Input voltage: 0.002 to 0.02 Vrms Input resistance: 2.21 kΩ 3.5 mm (1/8") jack
USB 2.0 hub:	3 powered High Speed USB type A ports
24V DC power supply:	DC power, 2.5 mm
Operator accessories	
Operator monitor headset - headphones:	40 mW 16Ω 3.5 mm (1/8") stereo jack
Operator microphone (desk-top or boom):	Electret microphone Input voltage: 0.002 to 0.02 Vrms, Input resistance: 2.21 kΩ 3.5 mm (1/8") jack
USB port connector	
Type:	USB 2.0 type B port
Speed:	High speed
Transport and storage	
Temperature:	-30°C to +60°C (-22°F to 140°F)
Air humidity:	10% to 90%, non-condensing
Air pressure:	500 hPa to 1060 hPa

Operating environment	
Mode of operation:	Continuous
Temperature:	+15°C to +35°C (59°F to 95°F)
Air humidity:	30% to 90%, non-condensing
Air pressure:	980 hPa to 1040 hPa
(Operation in temperatures exceeding -20°C (-4°F) or +60°C (140°F) may cause permanent damage)	
Warm-up time:	< 5 min. Note: Should be extended if AURICAL Aud has been stored in a cold environment
Disposal	
AURICAL Aud can be disposed of as normal electronic waste, according to WEEE and local regulations	
Dimensions	
AURICAL Aud:	Approx. 275 x 205 x 60 mm (10.8 x 8.0 x 2.4 inches)
Weight	
AURICAL Aud with HI-PRO:	Approx. 0.85 kg - (1.875 lb)
AURICAL Aud without HI-PRO:	Approx. 0.65 kg - (1.433 lb)
Power supply	
Power consumption:	< 60 VA
Standards	
Audiometer:	IEC 60645-1, Type 2, 2010; IEC 60645-2, Type A, 1993; ANSI 3.6
Patient Safety:	Complies with IEC 60601-1, Class 1, Type B; U2601-1; CAN/CSA-C22.2 NO 601.1-90
EMC:	IEC 60601-1-2

Built-in HI-PRO 2 (optional)	
Hearing instrument connection:	2 x 6 pole mini-DIN sockets
Safety:	IEC 60601-1, Class 1, Type BF and UL 544
EMC:	IEC 60601-1-2
Accessories:	Configuration software. See the AURICAL Aud Service Manual

AURICAL Speaker	
Connections:	
USB port output, type A:	Primarily for USB Bluetooth dongle
USB port input, type B:	USB connection from AURICAL Aud or PC
24V DC in:	DC power, 2.5 mm
24V DC throughput:	DC power, 2.5 mm
Speaker output:	RCA phone optimized for 8Ω speaker
Dimensions	
Size:	Approx. 375 x 285 x 145 mm (14.8 x 11.2 x 5.7 inches)
Weight:	Approx. 1.5 kg (3.3 lb)
Transport and storage	
Temperature:	-30°C to +60°C (-22°F to 140°F)
Air humidity:	10% to 90%, non-condensing
Air pressure:	500 hPa to 1060 hPa

Operating environment	
Mode of operation:	Continuous
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Standards	
Real Ear Measurements:	IEC 61669, ISO 12124
Client Safety:	IEC 60601-1, UL 2601-1, CAN/CSA -C22.2, NO 601.1-90
Type BF, IPXD:	AURICAL FreeFit: IEC 60601-1, Internal Powered,
EMC:	IEC 60601-1-2, IEC 300 328-2, IEC 301 489-17



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AURICAL Aud

The future of fitting

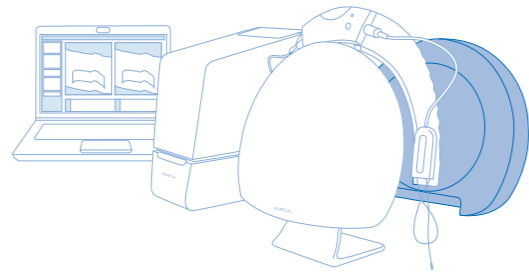
AURICAL



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The Audiometer

655g of concentrated knowledge



Unique design: Compact and designed to support your needs.



Connectivity: The vast connectivity possibilities make it the natural central point of the fitting solution.

Under desk mounting: Mounting the audiometer with the built-in HI-PRO 2 under the desk helps tidy up cabling and provides convenient access to the HI-PRO plugs.

The new AURICAL Aud is the world's only true fitting audiometer. It integrates an audiometer, counseling tools, power amplifier, USB hub and optional HI-PRO 2* with High Speed Mode in a modern, ultra-compact design. It's a complete, portable diagnostic audiometer that offers outstanding flexibility. It is designed to fit into all kinds of environments, inside your clinic or out.

The new audiometer is easy to use too: The exceptionally intuitive interface has a new on-screen control panel and easy-to-access user test functions. It not only ensures fast operation but also consistently accurate results. Also, if you're familiar with the AURICAL Plus, your transition to the new solution will be particularly smooth.

* HI-PRO 2 allows programming speed increase up to 5 times compared to HI-PRO USB (depending on the fitting software).

See the videos about the complete fitting solution at www.otometrics.com/aurical

THE FACTS

- AC, BC and SF audiometry (built-in power amplifier)
- Tone audiometry testing up to 12.5 kHz
- Integrated speech material
- SAL test
- TEN test (optional)
- QuickSIN test (optional)
- Intuitive on-screen control panel
- Masking assistant
- Extensive user test functionality
- One-click data logging
- Built-in USB hub
- Optional built-in HI-PRO 2 with High Speed Mode
- Selection of report templates

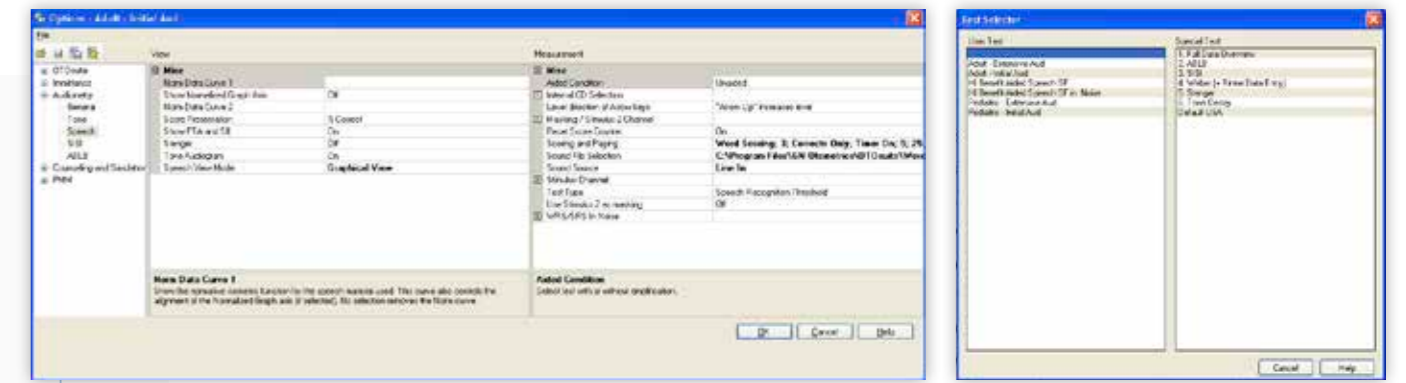
The AURICAL Family

Fully integrated with OTOsuite™

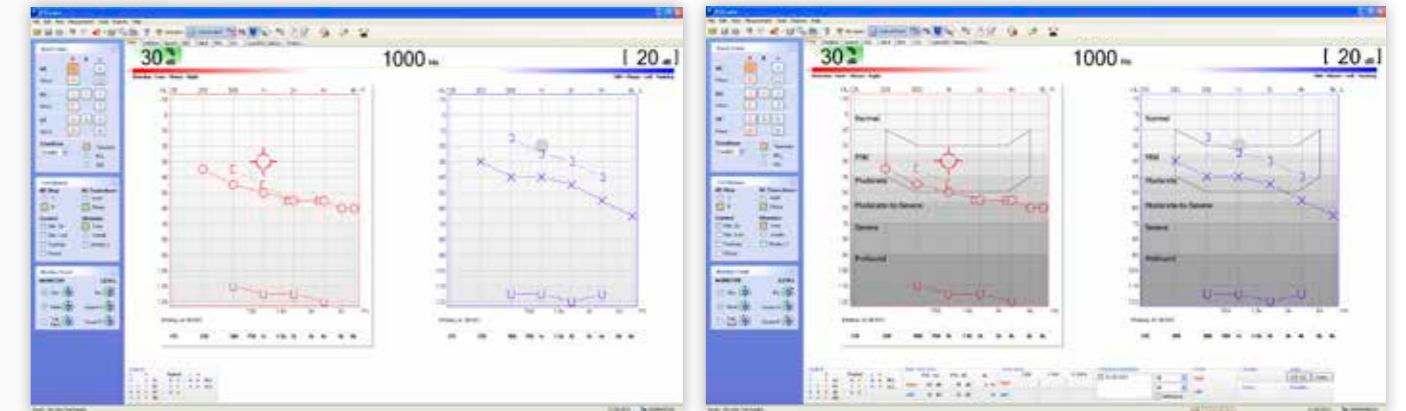
The OTOsuite software integrates all the elements of the new AURICAL. It's intuitive, easy to learn and easy to use. It supports the entire client journey, from diagnostics and counseling, to fitting and verification. Simple to use user test functionality ensures configurable, consistent

and smooth workflows that can be customized to suit individual needs. And you work in a single software environment across modules. The result is a better fitting experience – for you and for your client.

Find our latest articles and videos at our Knowledge Center www.otometrics.com/knowledge



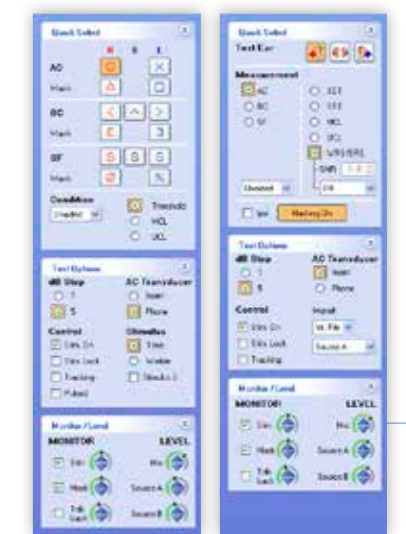
AURICAL Aud and OTOsuite lets you administer your preferences easily. Make the settings once and save as User Tests for later. Share your User Tests with your colleagues and make OTOsuite ensure a smooth and efficient way of working.



Various view options allow you to choose what is best for you and your patient. Go from simple to advanced in 2 mouse clicks.



Easy overview of the speech audiometry including the integrated wordlists.



The new on-screen control panels are intuitive and fast.