Frequency range	
Insert earphones:	Standard frequencies: 125 - 8000 Hz
TDH39 earphones, HDA 200/HDA 300, ME-70, HOLMCO:	Standard frequencies: 125 - 12500 Hz
BC:	Standard frequencies: 250 - 8000 Hz
SF:	Standard frequencies: 125 - 12500 Hz
Accuracy:	< 0.03%.
FRESH noise stimulus:	Available in entire frequency range within the transducer specified range.(for SF 125 - 12500 Hz). Accuracy 0.3%
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, FRESH Noise
Loudness Scaling	Warble, ISTS, FRESH Noise

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:	5, 2, 1 dB increments

Signal presentation

Accuracy of sound level	
Entire level range (AC):	125 to 5000 Hz: ±3 dB, 5000 to 12500 Hz: ±5 dB
Entire level range (BC):	250 to 5000 Hz: ±4 dB, 5000 to 8000 Hz: ±5 dB

Attenuator

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 %

Selectable transducers	
AC:	TDH 39, ME-70, HOLMCO, HDA 200/HDA 300 headphones, and Insert Earphones
BC:	Bone oscillator (Mastoid)
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 terminals,
	3 x 40 W peak, 8 Ω load
SF line output:	2 x 1.6 Vrms,

External 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:	with 3 powered USB ports
24V DC power supply:	DC power, 2.5 mm

Stimulus presentation

Normal, Continuous on, Pulsed

Operator accessories	
Operator monitor headset - headphones:	40 mW 16 Ω
	3.5 mm (1/8") stereo jack
Operator microphone (desktop 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 device 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.

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 consumption
< 60 VA

Standards	
Audiometer:	IEC 60645-1, Type 2, 2010; IEC 60645-2, Type A, 1993;ANSI S3.6
Patient Safety:	Complies with IEC 60601-1, Class 1, Type B; UL 60601-1; CAN/CSA-C22.2 NO 601.1-90.
EMC:	IEC 60601-1-2

HI-PRO 2	
2 x 6-pin mini-DIN sockets:	For connecting programmable hearing instruments
Safety:	EN 60601-1, Class 1, Type BF and UL 544.
EMC:	EN 60601-1-2; EN 300 328-2; EN 301 489-17

Test software. See the AURICAL Aud Service Manual.

AURICAL speaker unit	

Interfaces	
USB port output, type A	Primarily for USB Bluetooth dongle
USB port input, type B	USB connection from PC
24V DC in	DC power, 2.5 mm
24V DC throughput	DC power, 2.5 mm
Speaker input	RCA phone optimized for 8 Ω. speaker

Dimensions	
Speaker:	Approx. 375 x 285 x 145 mm (14.8 x 11.2 x 5.7 inches)

Weight	
Speaker:	Approx. 1.5 kg (3.3 lb)

Accessories
Standard accessories and optional accessories may vary from country to country - please consult your local distributor.

TDH 39 headphones, ME-70 headphones, HOLMCO headphones, HDA 200 headphones for high-frequency audiometry, HDA 300 headphones for high-frequency audiometry, Bone oscillators: NB-71, B-71, Insert phones: Otometrics insert phone, E-A-RTONE® 3A, AURICAL speaker unit for integration with AURICAL FreeFit, Sound field loudspeakers, Monitor headphones with boom microphone, Desktop microphone, Talkback microphone, Patient Responder, Power supply and mains cable, Wall mounting plate, Connection cables, AURICAL FreeFit, AURICAL Aud Reference Manual, AURICAL Aud User Guide

System requirements

1.5 GHz processor or higher (2 GHz recommended) • 2 GB RAM • 3.5 GB free disk space for installation of the OTOsuite software. Additional disk space is needed for installation of prerequisites. • Microsoft® Windows® XP (32 bit) with SP3 or higher, or Windows 7 (32 or 64 bit) or Windows 8.1 (64 bit) • USB port for connecting accessories, v. 1.1 or higher (v. 2.0 or higher for OTOcam 300) • DVD drive (only for a minority of features) • 32 bit color display, 1024x768 screen resolution • 128 MB graphic memory • Windows-compatible sound card • If required, NOAH 3.5.2, NOAH 3.5.2 for ENTs, or higher, or Noah 4 or Noah 4 for ENTs, for Noah mode operation. • If you are going to use speech material supplied by GN Otometrics, check the Speech Material Installation CD to make sure that your PC has the additional disk space required.

GN Otometrics, Headquarters. +45 45 75 55 55. info-dk@gnotometrics.com
GN Otometrics, North America. 1-800-289-2150. sales@gnotometrics.com
www.otometrics.com

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