

# DD450

## Circumaural headset

#8106236

**The Gold  
Standard**  
of Audiometric Transducers

### Features

- RoHS compatible
- Good ambient noise isolation
- Adjustable soft padded headband
- Extremely comfortable ear cups
- Capable of full range testing
- Gold plated connectors
- Outstanding quality
- Robust design
- Easy to use



*"The DD450 earphone has very similar characteristics to the HDA 200. No clinically important differences are expected in test results obtained with the two earphones"*

**Robert H. Margolis**  
Professor Emeritus, University of Minnesota

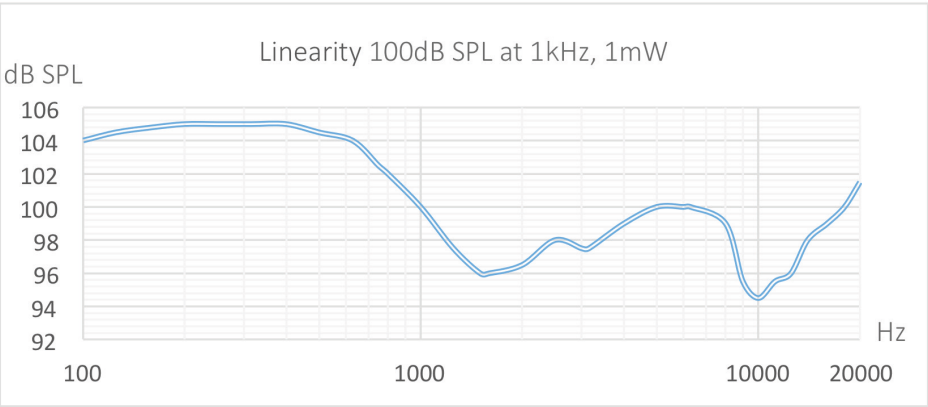
### DD450 Circumaural Headset

The DD450 is a circumaural headset that can be used for audiometry testing in the standard audiometry range 125 Hz – 8 kHz as well as high-frequency testing up to 20 kHz. The DD450 complies with IEC-60645-1 and ANSI S3.6 up to 16 kHz. When using an IEC60318-1 coupler with a type 1 adaptor on an artificial ear the standard allows for calibration using the RETSPLs found in table 1. Ambient attenuation values can be found there.

The DD450 offers excellent passive attenuation and has a padded, adjustable soft headband and replaceable circumaural ear pads. It includes a highly durable cable with TINSEL core and gold-plated 6.3 mm jacks.

DD450

# Technical Specifications



## Compliance Standards

Standards:	Complies with IEC-60645-1 and ANSI S3.6
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## Features

Earphone receiver:	Dynamic moving coil, special built for audiometry.
Nominal impedance	40 ohm frequency response: 20 Hz – 20 kHz
Sensitivity:	100 dB SPL at 1 kHz, 1 mW
Distortion:	< 1% at THD
Ambient attenuation:	See table 1
Max. continuous power:	500 mW
Headband tension:	10 N ±0.5N
Weight complete:	330 gram (12 oz)
Cable connector:	2 mono jack terminals (red = right   blue = left)
Cable length:	2500 mm (100 inch)
Environmental:	RoHS compatible - lead and nickel free
Headset dimensions:	19.1 x 9.3 x 13.4 cm
Headset box dimensions:	19 x 13 x 9.5 cm
Accessories:	Ear cushion, item #8010894

Test result available at [www.audiologyincorporated.com](http://www.audiologyincorporated.com)

## DD450 Pure Tone RETSPL

Coupler	IEC 60318-1	Ambient attenuation	maxHL
Frequency Hz	RETSPL	[dB]	[dB]
125	30.5	15	100
160	26	15	105
200	22	16	105
250	18	16	110
315	15.5	18	115
400	13.5	20	115
500	11	23	115
630	8	25	120
750	6		120
800	6	27	120
1000	5.5	29	120
1250	6	30	110
1500	5.5		115
1600	5.5	31	115
2000	4.5	32	115
2500	3	37	115
3000	2.5		115
3150	4	41	115
4000	9.5	46	115
5000	14	45	105
6000	17		105
6300	17.5	45	105
8000	17.5	44	105
9000	19		100
10000	22		100
11200	23		95
12500	27.5		90
14000	35		80
16000	56		60

Table 1