

DD65v2

Circumaural headset

#8520328, DD65v2 Audiometric Headset 6.3mm 30° plug

#8520330, DD65v2 Audiometric Headset 6.3mm straight plug

#8520327, DD65v2 Audiometric Headset 3.5mm mini jack straight plug

#8520331, DD65v2 Audiometric Headset 3.5mm mini jack 90° plug

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



DD65v2 Circumaural Headset

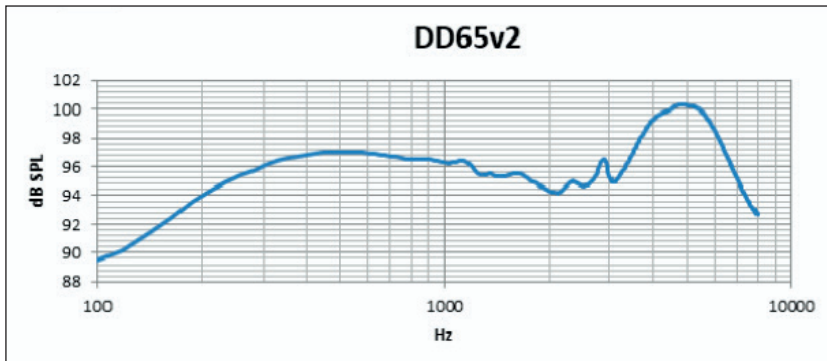
The DD65v2 is a circumaural headset that can be used for audiometry testing in the standard audiometry range 125 Hz – 8 kHz. The DD65v2 complies with IEC-60645-1 and ANSI S3.6 up to 8 kHz. When using an IEC60318-1 coupler with a type 1 adaptor on an artificial ear the standard allows for calibration using the RETSPLs found in table 1. Ambient attenuation values can be found there.

The DD65v2 is a renewal of the classic Peltor based audiometric headphones. One of the main improvements are the precision in the repeatability of threshold testing, which now is on the same level as on the RadioEar DD450.

The DD65v2 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 and mini jacks.

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Technical Specifications



Linearity 100dB SPL at 1kHz, 1mW

Compliance Standards

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

Features

Earphone receiver:	Dynamic moving coil, special built for audiometry.
Nominal impedance	10 ohm frequency response: 100 Hz – 8 kHz
Sensitivity:	98 dB SPL at 1 kHz, 1 mW
Distortion:	< 1% at 95 dB SPL
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) 3.5 mm stereo mini jack
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 #8517499 Replacement Head band, item #8517491 Cable 30° jack 6.3 mm, item #8517507 Cable straight mono jack, item #8517504 Cable mini jack 3.5 mm, item #8517503 Cable 90° mini jack 3.5 mm, item #8517500

DD65v2 Calibration Correction Values

Coupler Frequency	Puretone IEC 60318-1	Free Field IEC 60318-1	Ambient noise attenuation	Pure Tone Max dB HL*
[Hz]	RETSPL [dB]	RETSPL [dB]		
125	30,5	-4,5	8,3	85
160	25,5	-3,5	8,7	
200	21,5	-4,5	11,7	
250	17	-4,5	15,5	105
315	14	-4	19,5	
400	10,5	-2	23,4	
500	8	-3	26,1	115
630	6,5	-2	28,5	
750	5,5			115
800	5	-2	28,2	
1000	4,5	-1,5	32,4	120
1250	3,5	-1,5	30,8	
1500	2,5			120
1600	2,5	-3	33,7	
2000	2,5	-2,5	43,6	120
2500	2	-2,5	47,5	
3000	2			120
3150	3	-5,5	41,4	
4000	9,5	-9,5	43,8	120
5000	15,5	-13	46,7	
6000	21			105
6300	21	-9	45,7	
8000	21	-4,5	45,6	100

Table 1

Correction values have been developed by AAU, Department of Electronic Systems, Signal and Information Processing at Aalborg University, Aalborg, Denmark, and PTB, Physikalisch-Technische Bundesanstalt, Braunschweig, Germany.

* Max. dB HL values are preliminary

Test result available at www.audiologyincorporated.com