

DD45

AUDIOMETRIC EARPHONES

RoHS Compatible • Easy Installation • 10 Ohm Receiver

ECONOMICAL

RELIABLE

HIGH QUALITY

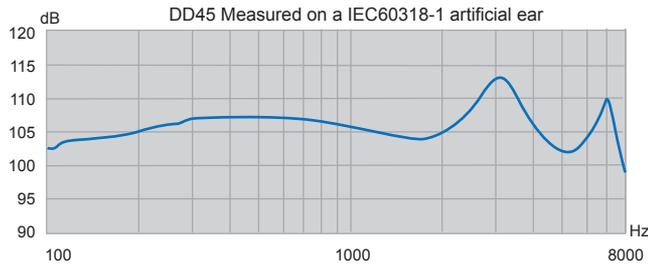
WELL BUILT

DD45 AUDIOMETRIC EARPHONES

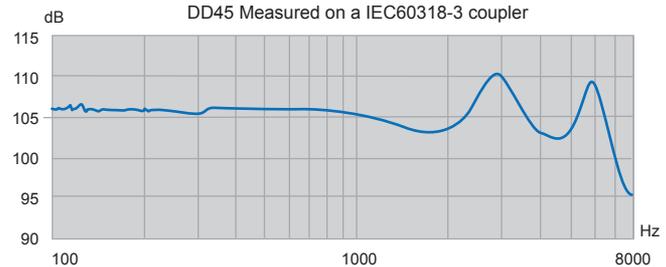
- Engineered to match the performance and function of the most popular earphones available for audiological testing in today's marketplace.
- The DD45 air transducer is manufactured to the highest quality standards and is a more economical alternative.
- RadioEar has an extensive history of successfully serving serving audiometer manufacturers and service providers. We recognize the critical importance these devices play for our customers.
- The DD45 Audiometric Earphones and all of the accessories are manufactured for Radioear.
- These earphones are fully supported by RadioEar, and receive the same focused attention and personal service that we provide our customers for bone transducers, headbands and cords.

DD45

TECHNICAL SPECIFICATIONS



GRAPH 1: Artificial Ear.



GRAPH 2: Coupler.

The DD45 is a Supra Aural earphone that meets all of the requirements of ANSI S3.6 – 2010 and ISO389-1 section 4.3. The DD45 conforms to all of the characteristics found in section 9.1.1. When using a 318-1 artificial ear the standard allow for calibration using the RETSPLs found in Table 5. Section 9.1.2 requires that for earphones not listed in table 5 valid RETSPLs will be provided. These RETSPLs were developed in accordance with ISO 389-9 by independent laboratories (PTB and DTU).

Dynamic Receiver 10 Ohm

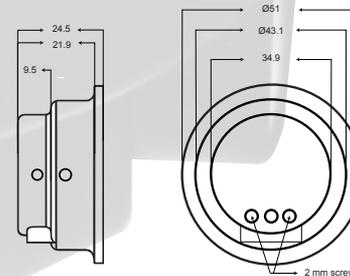
- Standards:** ANSI S3.6-2010; ISO389-1 1998
- Earphone receiver:** Dynamic moving coil, special built for audiometry
- Nominal impedance:** 10 Ohm
- Frequency response:** 100 Hz – 8 kHz
- Linearity:** Linear up to 500mW
- Sensitivity:** Typically 106.7 dB SPL re. 20 µPa output with 1 mW input, f= 1 kHz
- Harmonic distortion:** Below 1 % at 120 db SPL, f=1 kHz
- Weight complete:** 59 gram (2 oz)
- Cable connector:** 2 terminals with 4 mm holes and 2 mm screw
- Environmental:**
 - RoHS compatible
 - Lead and nickel free
 - Bio compatible

DD45 Pure Tone RETSPL

Frequency Hz	ISO 389-1 ANSI S3.6 Artificial ear IEC 60318-1 dB SPL	Averaged PTB – DTU Report 6cc Coupler IEC 60318-3 / NBS 9A dB SPL
125	45.0	47.5
160	38.5	40.5 ¹
200	32.5	33.5 ¹
250	27.0	27.0
315	22.0	22.5 ¹
400	17.0	17.5 ¹
500	13.5	13.0
630	10.5	9.0 ¹
750	9.0	6.5
800	8.5	6.5 ¹
1000	7.5	6.0
1250	7.5	7.0 ¹
1500	7.5	8.0
1600	8.0	8.0 ¹
2000	9.0	8.0
2500	10.5	8.0 ¹
3000	11.5	8.0
3150	11.5	8.0 ¹
4000	12.0	9.0
5000	11.0	13.0 ¹
6000	16.0	20.5
6300	21.0	19.0 ¹
8000	15.5	12.0

¹ Interpolated

Physical dimensions of the transducer DD45 [mm]



Accessories

- Folding Headband
- Contra Lateral Headband
- Cords
- Earcushions