

# DD45

## Audiometric Earphones

#8010876

The Gold  
Standard

of Audiometric Transducers

### Features

- RoHS compatible
- Easy installation
- 10 ohm receiver
- Economical
- Reliable
- High quality
- Well built



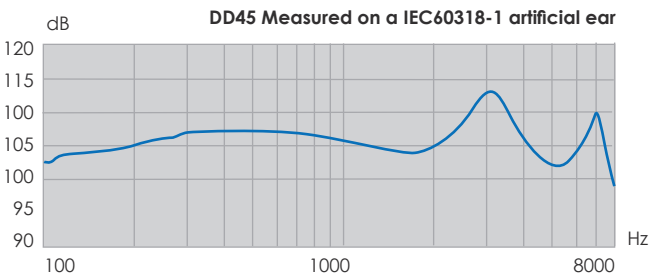
### DD45 Audiometric Earphones

- 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 audiometer manufacturers and service providers. We recognize the critical importance these devices have 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.

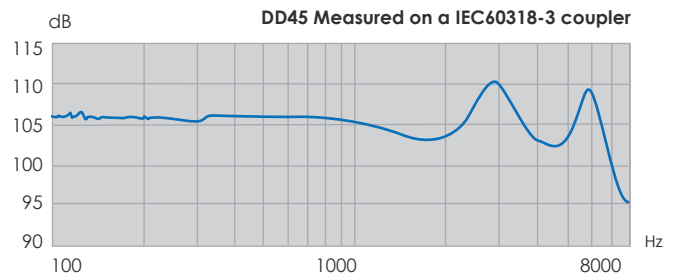


## DD45

# 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

<b>Standards:</b>	ANSI S3.6-2010; ISO389-1 1998
<b>Earphone Receiver:</b>	Dynamic moving coil, specially built for audiometry
<b>Nominal Impedance:</b>	10 ohm
<b>Frequency Response:</b>	100 Hz - 8 kHz
<b>Linearity:</b>	Linear up to 500 mW
<b>Sensitivity:</b>	Typically 106.7 dB SPL re. 20 µPa output with 1 mW input, f=1 kHz
<b>Harmonic Distortion:</b>	Below 1% at 120 db SPL, f=kHz
<b>Cable Connector:</b>	2 terminals with 4 mm holes and 2 mm screw
<b>Weight Complete:</b>	59 gram (2 oz)
<b>Environmental:</b>	<ul style="list-style-type: none"> <li>• RoHS compatible</li> <li>• Lead and nickel-free</li> <li>• Bio compatible</li> </ul>

## DD45 Pure Tone RETSPL

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

<sup>1</sup>Interpolated

## Accessories

- Contra-Lateral Headband, item #8010890
- Cord 2 m, item #8010822
- Cord 5 m, item #8107103
- Ear cushions:
  - Red/blue (set), item #8107611
  - Black (pc), item #8010894
- DD45 HEX 0,9mm screwdriver #8513344

## Dimensions

