# **DD45**

# Audiometric Earphones

#8010876



#### **Features**

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



# **DD45 Audiometric Earphones**

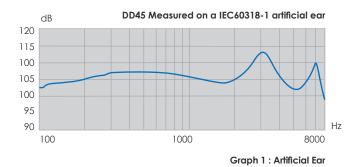
- Engineered to match the performance and function of the most popular earphones available for audiological testing in today's marketplace.
- The DD45 air transducer is manufactured to the highest quality standards and is a more economical alternative.
- RadioEar has an extensive history of successfully 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.

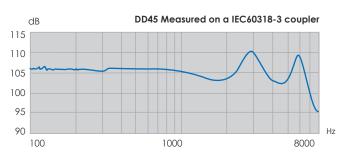




#### **DD45**

# **Technical Specifications**





Graph 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).

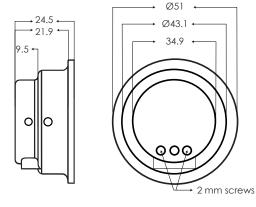
## **Dynamic Receiver 10 ohm**

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Standards:	ANSI S3.6-2010; IS0389-1 1998	
Earphone Receiver:	Dynamic moving coil, specially built for audiometry	
Nominal Impedance:	10 ohm	
Frequency Response:	100 Hz - 8 kHz	
Linearity:	Linear up to 500 mW	
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=kHz	
Cable Connector:	2 terminals with 4 mm holes and 2 mm screw	
Weight Complete:	59 gram (2 oz)	
Environmental:	RoHS compatible	
	Lead and nickel-free	
	Bio compatible	

## **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

### **Dimensions**



### **DD45 Pure Tone RETSPL**

	ISO 389-1 ANSI S3.6	Averaged PTB – DDTU Report
Frequency Hz	Artificial ear IEC 60318-1 dB SPL	6cc Coupler IEC 60318-3/NBS 9A dB SPL
125	45.0	47.5
160	38.5	40.51
200	32.5	33.51
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	8.01
4000	12.0	9.0
5000	11.0	13.0 <sup>1</sup>
6000	16.0	20.5
6300	21.0	19.0¹
8000	15.5	12.0

<sup>1</sup>Interpolated

