



For everyone



# Audiocups

## Noise-reducing enclosures

Industry-leading audiometric enclosures designed to ensure accurate pure tone screening audiometry testing in conditions where ambient noise becomes too high for unshielded earphones.

### Considered design

Incorporating a fully articulated earphone suspension system ensures that earphone cushions are able to locate against pinnae of all shapes, while at the same time audiocup cushions enclose the external ear to exclude background noise.

### Performance

These noise-reducing enclosures are designed to provide unique noise attenuation to assist in accurate audiometry measurements when compared to standard audiometry headsets.

Audiometry threshold measurements should be recorded in accordance to the maximum stated ambient noise levels advised in ISO 8253-1:2010.

### The perfect add-on

Our Audiocups are the perfect add-on to a standard air conduction headset such as the RadioEar DD45, Telephonics TDH39 and TDH49 transducer and are easily retrofitted in the field without the need for recalibrating your audiometer.

### Key features

|   |
|---|
| Industry leading attenuation levels   |
| Allows audiometry to be completed in high ambient noise                         |
| Invaluable when an audiology booth is not available                             |
| Additional attenuation when an audiology booth is available                     |
| Articulated suspension of the earphone provides an accurate and comfortable fit |
| Easily fitted to any TDH 39 type earphone                                       |
| No requirement to recalibrate after fitting                                     |

Please note: image shows complete headset with fitted transducers.



Visit [www.amplivox.com/audiometry/audiocups](http://www.amplivox.com/audiometry/audiocups) to learn more about the features and benefits of the Audiocups  
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Technical specifications

## Attenuation

The attenuation provided using TDH39 earphone with MX41/AR ear cushions within an audiocup headset is shown below:

| Frequency Hz | Attenuation dB | Deviation dB |
|--------------|----------------|--------------|
| 125          | 9              | 6            |
| 250          | 13             | 6            |
| 500          | 24             | 8            |
| 1000         | 30             | 8            |
| 1500         | 32             | 7            |
| 2000         | 39             | 7            |
| 3000         | 44             | 5            |
| 4000         | 44             | 8            |
| 6000         | 44             | 10           |
| 8000         | 35             | 7            |

## Dimensions

|   |                     |
|---|---------------------|
| Material:   | Moulded ABS plastic |
| Weight:   | 350g / 0.77lbs      |
| Audiocups can be supplied as noise-reducing enclosures to fit existing earphones or as a complete headset with fitted transducers, cushions and headset lead. |                     |
| The addition of Audiocups to your existing headset will not impact the calibration of your audiometer. A re-calibration of your audiometer is not required.   |                     |

## Compatibility

|            |  |
|------------|--|
| Suppliers: | Interacoustics, MAICO Diagnostics, Inventis, Resonance, Tremetrics, Minato, Inission, Sibel, Natus, Neurosoft, Opportunities, Beijing BTBD, Sivantos, Idem and Auditdata   |
| Products:  | All Amplivox audiometers, AD226 from Interacoustics, MA25 from MAICO, Bell and Piccolo from Inventis, r07a and R27A from Resonance, RA300 and RA660 from Tremetrics, Neuro-Audio/PTA from Neurosoft, Sibelsound Duo from Sibel and the SD270 from Sivantos |

## Standard equipment

- Headband, headband cover and red and blue ear shells with inner ear cushion

## Optional equipment

- Headset lead
- TDH39 or DD45 earphones with inner ear cushion
- Screwdriver set
- Disposable large ear cushion covers



Please note: These parts can be supplied with Audiocups at an additional cost for the assembly of a full headset. A calibration will need to be completed for the new headset and audiometer.