

TINEARITY™ G1 FOR PROFESSIONALS

Tinearity™ G1 background

Tinearity G1 is a completely new and unique Medtech classified device that is solely intended for the treatment and relief of Tinnitus — anytime, anywhere. Carefully designed by experts from industrial design and medical device development circles. Developed as an aid for people suffering from tinnitus in everyday situations and during sleep.



Product overview

The Tinearity G1 consists of two sound generators that are clicked into adapters that are then adhesively attached to the mastoid bone. Via the sound generators, white noise is transferred directly into the cochlea by bone conduction, leaving the ear canals free. By holding the ear canals free, Tinearity G1 can be used for a longer period without irritating or obstructing the ear canal.

Tinearity G1 can be used for masking the tinnitus sound OR for treatment of the tinnitus symptoms. Tinearity G1 can be used as;

- the sound source during treatment of the tinnitus symptoms as for example within Tinnitus Retraining Therapy (TRT). We recommend listening to white noise is 6-8h/day for 6-24 months. It is estimated that approximately 70-80 percent of those who suffer or are bothered from tinnitus are helped by TRT*¹.
- a tinnitus masker. There are no limitations in terms of time for masking of the tinnitus sound.

*¹ Jastreboff PJ. 25 years of tinnitus retraining therapy. HNO. 2015 Apr;63(4):307-11. doi: 10.1007/s00106-014-2979-1. PMID: 25862626.

Indications

People with normal hearing or mild hearing loss, i.e., hearing threshold level better than 40dB HL. Hyperacusis is contraindicated.



info@duearity.com



www.duearity.com



DUEARITY
THE TINNITUS COMPANY

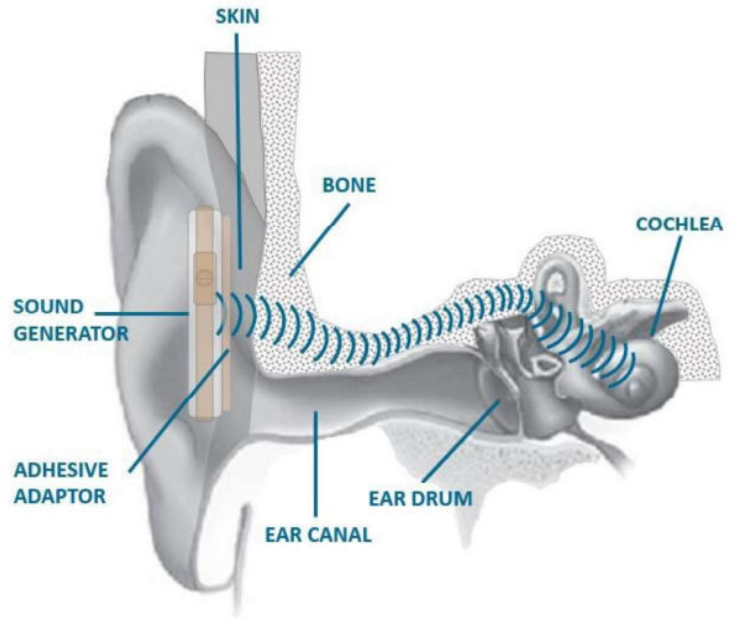
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Bone conduction

Bone conduction hearing refers to the transmission of sound vibrations directly to the inner ear through the bones of the skull, bypassing the external ear and middle ear structures.

Referring to the figure to the right: The adaptor is adhesively attached to the mastoid bone. The sound generator transfers white noise vibrations via the adaptor to the skin. The skin then pass on the vibrations to the cochlea via the temporal bone.

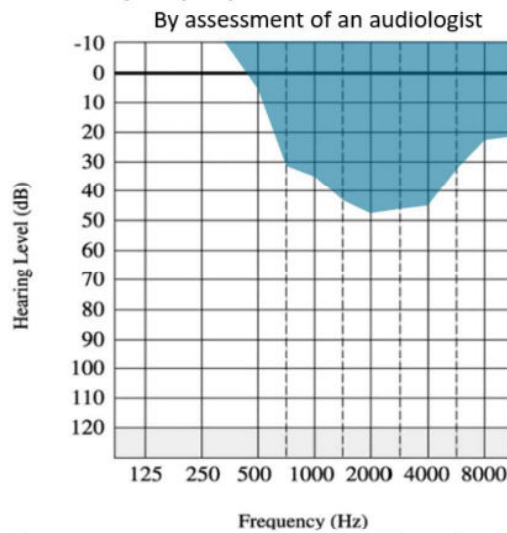
Within the cochlea, hair cells detect the vibrations and convert them into electrical signals, which are then transmitted to the brain via the auditory nerve. The brain interprets these electrical signals as sound, allowing the individual to perceive the white noise stimulus.



Tinearity technical data

Please refer to the diagram below for Maximum Force Output (MFO) curve and technical data for the Tinearity device.

Tinearity output performance levels in dB HL



| Device data | Tinearity™ G1 |
|----------------|---------------|
| MFO | 48 dB HL |
| Peak frequency | 2 kHz |
| Battery time | min 8 hours |



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