

Technical Datasheet

Peltor™ Kid Range Passive Earmuffs

H510AK



Product Description

The Peltor™ Kid range of passive earmuffs are attractive, vibrant colour hearing protectors available in headband version only. These products are specially designed for younger wearers, including children, to protect against moderate levels of noise in everyday situations such as social and leisure activities.

When correctly selected and worn these products help reduce exposure to hazardous levels of noise and loud sounds.

Key Features

- Modern, stylish slim line cup design
- High visibility colours for attracting attention thus increasing safety
- Liquid sealing rings for improved comfort
- Unique low profile headband design helps maintain constant pressure thus providing confidence in protection
- Large space inside cup helps reduce moisture and heat build-up
- Soft wide cushions help reduce pressure around the ears and improve comfort and wearability
- Easy to replace cushions and inserts help keep them hygienically clean

Applications

The Peltor™ Kid range of earmuffs are ideal for protection against noise arising from a wide range of leisure activities. Typical applications include:

- Air shows
- Motor sports or any other noisy sports event
- Rock and pop concerts
- Studying in a noisy environment
- Travelling

Materials

The following materials are used in the manufacture of this product.

Component	Material
Headband	Stainless Steel Wire, PVC, Acetal
Headband padding	PVC
Cups	ABS
Inserts	Polyether
Cushions	Polyether
Cushion cover	PVC



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Standard & Approval

The Peltor™ Kid range earmuffs have been tested and CE approved against the European Standard EN352-1:1993. These products meet the Basic Safety Requirements as laid out in Annex II of the European Community Directive 89/686/EEC. These products have been examined at the design stage by INSPEC International Limited, 56 Leslie Hough Way, Salford, Greater Manchester M6 6AJ, UK (Notified Body number 0194).

Attenuation values

Peltor Kid H510AK

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	14.1	11.6	18.7	27.5	32.9	33.6	36.1	35.8
sf (dB)	4.0	4.3	3.6	2.5	2.7	3.4	3.0	3.8
APVf (dB)	10.1	7.3	15.1	25.0	30.1	30.2	33.2	32.0

SNR = 27dB H = 32dB M = 25dB L = 15dB

Key

APVf (dB) = Mf – sf (dB)

Mf = Mean attenuation value

sf = Standard deviation

APVf = Assumed Protection Value

H = High-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = -2dB)

M = Medium-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = +2dB)

L = Low-frequency attenuation value (predicted noise level reduction for noise with L(C) – L(A) = +10dB)

SNR = Single Number Rating (the value that is subtracted from the measured C-weighted sound pressure level, L(C) in order to estimate the effective A-weighted sound pressure level inside the ear).

Accessories/Replacement Parts

The cushions and inserts on the Peltor™ Kid range can be replaced with the HY51 Hygiene Kit for improved comfort and reassured protection.

The HY100A Hygiene Pads can be placed on the cushions to help absorb moisture and sweat.



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