3M™ 1436 Passive Ear Muffs

Product Description

The 3M™ 1436 passive ear muffs, available in headband version only, are designed to provide a moderate level of attenuation, meeting the needs of most industrial applications.

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

Key Features

- Can be folded for ease of storage when not in use
- Dielectric- no metal parts
- One size fits all
- Soft wide cushions helps reduce pressure around the ears and improves comfort and wearability
- Bright orange colour to help increase visibility and improve compliance

Applications

The 3M™ 1436 ear muffs are ideal for protection against noise arising from a wide range of applications in the workplace and leisure activity. Examples of typical applications include:

- Agriculture
- Automotive
- Chemical & pharmaceutical manufacture
- Construction
- Light engineering
- Metal processing
- Woodworking

Standards & Approvals

The 3M™ 1436 ear muffs are tested and CE approved against the European Standard EN352-1:2002. 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 BSI Product Services, Maylands Avenue, Hemel Hempstead, HP2 4SQ, United Kingdom, (Notified Body number 0086).

Materials

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

Component	Materials
Headband	Polycarbonate
Cups	Polystyrene
Insert	Polyurethane foam
Cushions	Polyurethane foam
Cushion cover	PVC

Product Range

Folded for ease of storage

Ready to wear

3M

Attenuation values
3M™ 1436 Ear Muffs

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mf (dB)	12.7	14.1	19.1	29.8	35.9	30.3	37.5	33.4
sf (dB)	2.3	4.2	2.6	3.2	3.3	3.3	1.8	2.7
APVf (dB)	10.3	9.9	16.5	26.6	32.7	27.0	35.7	30.7

SNR = 28dB   H = 30dB   M = 26dB   L = 18dB

Accessories / Replacement Parts

The 3M™ Peltor™ HY100A and 3M™ Peltor™ HY100A-01 Hygiene Pads can be placed on the cushions to help absorb moisture and sweat.

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).

Important Notice

3M does not accept liability of any kind, be it direct or consequential (including, but not limited to, loss of profits, business and/or goodwill) arising from reliance upon any information herein provided by 3M. The user is responsible for determining the suitability of the products for their intended use. Nothing in this statement will be deemed to exclude or restrict 3M's liability for death or personal injury arising from its negligence.

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