



Bilsom Technology

GENERAL DATA
Division : Head Protection

Family : Hearing Protection

Range : Earmuffs

Line : Sound Management Earmuffs

Brand formerly known as : BILSOM

Business Countries

Europe - EMEA

Activity Domains :

Agriculture • Army - Defence • ATEX environment •
 Automotive and Part Manufacturer • Aviation • Building
 and Construction • Catering • Chemical Industries •
 Energy or Electricity • Fire Protection brigades • Fishing
 • Food Industries • Foundry • Glass Industries • Green
 Spaces • Homeland defense • Industrial Cleaning • Iron
 and steel industry • Logistics • Maintenance • Medical
 and Pharmaceutical • Metal steel • Mining and Quarrying
 • Offshore • Paper Industries • Petro-chemical •
 Printing Industries • Services • Telecoms • Textile
 Industries • Transportation • Utilities • Water treatment
 • Welding • Wood Industries • Laboratory • Ship
 Building • Industry • Administration

Product Use :

Sound Management Earmuff

PRODUCT ADVANTAGES
Feature :
SOUND MANAGEMENT TECHNOLOGY

Enhances on-the-job communication through uniform attenuation. Clarity blocks noise while voice, signal, alarm and other high frequencies can be heard more naturally, with less distortion, combating overprotection and worker isolation.

DIELECTRIC/PLASTIC CONSTRUCTION

Clarity's robust nondeforming dielectric construction withstands use and abuse, while protecting your workers in electrical environments.

NON-DEFORMING OUTER HEADBAND

Clarity's non-deforming outer headband provides better comfort, minimizes pressure on head, withstanding rough treatment in the toughest workplaces.

QUICK CLICK HEIGHT ADJUSTMENT

Height adjustment remains fixed during wear.

SNAP-IN EAR CUSHIONS

Make replacement quick and easy.

Benefit :

Bilsom's patented Clarity Sound Management technology improves worker safety by blocking noise, while voice and signal frequencies can be heard more naturally. Clarity earmuffs provide uniform attenuation that allows speech frequencies to be heard with less distortion - combating worker isolation and overprotection on the job. Plus, Clarity's robust non-deforming dielectric design withstands use and abuse, while protecting workers in electrical environments.

TECHNICAL DESCRIPTION

SNR (dB) : 25

H (dB) : 24

M (dB) : 22

L (dB) : 20

Attenuation Data :

Frequency (Hz) Frequenz (Hz) Fréquence (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB) Mittlere Dämmung (dB) Atténuation moyenne (dB)	12.6	15.7	23.9	27.8	23.3	25.8	29.0	31.0
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	4.5	3.3	2.7	2.8	2.9	2.0	3.0	2.6
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	8.1	12.4	21.2	25.0	20.4	23.8	26.0	28.4

Earmuff Construction :

Plastic [or Dielectric]

Other Material :

POM, LDPE, PC/PBT, PVC/PUR-E, PP, PUR-E, PP

Dielectric : Yes

Color :

Headband/Comfort band/Fork Slide/Ear Cushion/Rim all Black, Liner - Grey, and Cup - Light Metallic Blue

Batteries Needed :

None

Weight (grs) :

194

Design Patents :

Clarity® Sound Management Technology

Headband Style :

Over-Head

Sound Amplification : No

AM/FM Radio : No

Automatic Shut-Off Function : No

Audio Input Jack : No

Hi-Visibility : No

ADDITIONAL INFORMATION

Accessories :

Hygiene Kit - Packed in a plastic bag, including two ear cushions and two foam pads. Ref. # 1006080 for C1, C1H, C1F

Beltclip - For carrying purpose. Old Ref. # 1000252 New Ref. # 1016730

Cool II Pads - Sweat absorbing pads. Ref. # 1000365 5-pair, Ref. # 1000364 100-pair

Optisorb - cotton sleeve slides over earcup. Ref. # 3302101

Polar Hood - Ref. # 1016870 Lg/XLg; Ref. # 1016871 Sm/Med

Life Cycle :

Cushions should be replaced periodically to retain maximum attenuation. Use the following as a guideline for replacement of ear cushions and insert foam. General use and wear - Ear cushions and foam inserts should be replaced at least every 6 months. Heavy use or wear in humid/extreme climates - Ear cushions and foam inserts should be replaced at least every 3 months. Cracking or leakage is visible - replace ear cushions and foam inserts immediately.

Storage Information :

When not in use, the earmuffs should be stored in a clean dry container or locker. Do not use solvents or petroleum-based products. Do not immerse the earmuffs in water.

Care Instruction :

Earmuffs are an important safety product and should be inspected regularly. Its use, care and maintenance are critical to its effective performance. Earmuffs and in particular ear cushions may deteriorate with use and should be examined at frequent intervals for cracking and leakage. If the ear cushions become hard, damaged or deteriorated, they should be replaced promptly using recommended Hygiene Kits. Earmuffs should be maintained by regular cleaning. Use a mild disinfectant solution. A gentle wipe is all that is required.

User manual number :

90010552

EAN Code :

033552011569

CERTIFICATION AND CONFORMITY

EC Category PPE* : Class 2

Standards :

EN-352-1:2002

European Directives :

89/686/EEC

Quality Assurance :

ISO 9001 / 2000

EC Certification Number :

0301135

EC Attestation Number :

200322878

Laboratory :

B.G.I.A.

*PPE : Personal Protective Equipment

EC CONFORMITY DECLARATION

The manufacturer or its legal representative supplier settled in the European Community:

Howard Leight by Sperian

Declares that the next Personal Protective Equipment described here after is in conformity with the provisions of Council Directive 89/686/CEE:

Designation: Clarity C1 Headband Earmuff

Reference: 1011142

Standard(s): EN-352-1:2002

This PPE is the object of the above EC attestation type:

200322878

Delivered by:

B.G.I.A.

Alte Heerstrasse 111

53754 Stankt Augustin

Germany

Made at Germany, on the 03/25/2004

By:

Division: Head Protection

