



Bilsom Technology

GENERAL DATA

Division : Head Protection
Family : Hearing Protection
Range : Earmuffs
Line : Sound Management Earmuffs
Brand formerly known as : BILSOM

Business Countries

EMEA
 United Kingdom
 Middle East

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.

FOLDING DESIGN

Folds down for compact, convenient storage.

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.

BELT CASE AVAILABLE SEPARATELY

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) : 26

H (dB) : 25

M (dB) : 24

L (dB) : 19

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)	12.8	14.9	24.2	27.7	25.2	28.6	29.3	28.7
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	4.0	3.8	3.8	2.6	2.1	2.9	3.4	4.2
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	8.8	11.1	20.4	25.1	23.1	25.7	25.9	24.5

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) :

186

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

Belt Case - For carrying purposes. Ref. # 1000251 for C1F, L2F, T1F

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 :

90010555

EAN Code :

7312550111437

CERTIFICATION AND CONFORMITY**European Directives :**

89/686/EEC

EC Category PPE* : Category II**Standards :**

EN-352-1:2002

Quality Assurance :

ISO 9001 / 2000

EC Certification Number :

0301134

EC Attestation Number :

200322877

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 C1F Folding Earmuff

Reference: 1011143

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

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

200322877

Delivered by:

B.G.I.A.

Alte Heerstrasse 111

53754 Stankt Augustin

Germany

Made at Germany, on the 03/26/2004

By:

Division: Head Protection





EG-Baumusterprüfbescheinigung

0301134

Bescheinigungs-Nummer

Name und Anschrift des
Bescheinigungsinhabers:
(Auftraggeber) Bacou Dalloz AB
Box 550
SE-26050 Billesholm

Name und Anschrift des
Herstellers: Bacou Dalloz AB
Box 550
SE-26050 Billesholm

Zeichen des Auftraggebers: Zeichen der Prüf- und Zertifizierungsstelle:
2003 22877

Ausstellungsdatum:
26.03.2004

Produktbezeichnung: Kapselgehörschützer "Bilsom Clarity C1 F"

Typ: Clarity C1 F

Bestimmungsgemäße Verwendung: Kapselgehörschützer mit faltbarem Kopfbügel / Persönliche Schutzausrüstung nach Art. 8 (2) der EG-Richtlinie 89/686/EWG (Kategorie II)

Prüfgrundlage: - Grundlegende Anforderungen für Gesundheitsschutz und Sicherheit nach Anhang II der EG-Richtlinie 89/686/EWG
- EN 352-1:2002
- EN 13819-1:2002
- EN 13819-2:2002

Zugehöriger Prüfbericht: 2003 22877 vom 26.03.2004

Bemerkungen: keine

Das geprüfte Baumuster entspricht den einschlägigen Bestimmungen der Richtlinie 89/686/EWG (Persönliche Schutzausrüstungen), geändert durch die Richtlinien 93/68/EWG, 93/95/EWG und 96/58/EG.

Weitere Bedingungen regelt die Prüf- und Zertifizierungsordnung vom Oktober 1997.

Leiter der Zertifizierungsstelle

Fachzertifizierer


.....
(Prof. Dr. rer. nat. Dietmar Reinert)


.....
(Dr. rer. nat. Martin Liedtke)



European notified body
Identification number 0121

Hauptverband der gewerblichen
Berufsgenossenschaften

Translation

In any case, the German
original shall prevail.

EC-Type Test Certificate

0301134

No. of certificate

Name and address of the
holder of the certificate:
(customer) Bacou Dalloz AB
Box 550
SE-26050 Billesholm

Name and address of the
manufacturer: Bacou Dalloz AB
Box 550
SE-26050 Billesholm

Ref. of customer:

Ref. of Test and Certification Body:
2003 22877

Date of Issue:
2004-03-26

Product designation: Ear-muff "Bilsom Clarity C1 F"

Type: Clarity C1 F

Intended purpose: Ear-muff with foldable headband / personal protective equipment according to article 8 (2) of the EC-directive 89/686/EEC (category II)

Testing based on: - Basic requirements for health and safety in accordance with Annex II of the EC-directive 89/686/EEC
- EN 352-1:2002
- EN 13819-1:2002
- EN 13819-2:2002

Test report: 2003 22877 as of 2004-03-26

Remarks: none

The type tested complies with the provisions laid down in the directive 89/686/EEC (Personal Protective Equipment), amended by the directives 93/68/EEC, 93/95/EEC and 96/58/EC.

Further conditions are laid down in the Rules of Procedure for Testing and Certification of October 1997.

Head of certification body


.....
(Prof. Dr. rer. nat. Dietmar Reinert)

Certification officer


.....
(Dr. rer. nat. Martin Liedtke)

