



PRODUCT NUMBER: 1010374
Bilsom Electro Electronic
Earmuff

Learn more about our products at howardleight.com

>

Learn more about hearing conservation at hearforever.org >



Overview

Reference Number

1010374

Product Type

Hearing Protection

Range

Earmuffs

Line

Radio Earmuffs

Brand

Howard Leight by Honeywell

Brand formerly known as

BILSOM

Industry

- Industry • Administration • 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 • Laboratory • Logistics • Maintenance • Medical and Pharmaceutical
- Metal steel • Mining and Quarrying • Offshore • Paper Industries • Petro-chemical
- Printing Industries • Services • Ship Building • Telecoms • Textile Industries • Transportation
- Utilities • Water treatment • Welding • Wood Industries

Product Use

Electronic Earmuff

For hearing impaired workers

When you need to hear surrounding and be entertained at the same time

Features & Benefits

Feature

SOUND AMPLIFICATION & RADIO IN ONE Electro's patented soundamplification enhances the wearer's awareness of their

environment by amplifying ambient sounds, allowing the wearer to hear important communication [co-workers, alarms/warning signals] - while listening to a high quality AM/FM radio. SOUND LEVEL LIMITATION Limits radio and sound amplification volume to 82 dB - response technology reverts to passive hearing protector when noise reaches 82 dB . SEPARATE CONTROLS For sound amplification and radio volume. INNER-VENTILATED HEADBAND Minimizes pressure on the head, breathes easier in warm/humid climates. NON-DEFORMING OUTER HEADBAND Withstands rough treatment in the toughest workplaces. QUICK-CLICK HEIGHT ADJUSTMENT Remains fixed during wear. SNAP-IN EAR CUSHIONS Make replacement quick and easy.

Benefit

The Electro series combines the entertainment benefit of our AM/FM Radio earmuff with advanced sound amplification technology. Electro allows wearers to hear important communications – other co-workers, alarms and important warning signals – at a safely amplified level, while listening to the radio. Positioned microphones provide more natural, directional hearing. Through advanced response technology, Electro amplifies incoming sounds with 10dB up to 82dB, then acts as a passive earmuff for sounds above 82dB.

Technical Description

SNR (dB)

28

H (dB)

31

M (dB)

25

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)	-	15.5	21.6	29.7	28.5	30.5	39.3	42.7
Standard Deviation (dB) Standardabweichung (dB) Déviation standard (dB)	-	2.1	2.8	3.8	3.6	2.7	4.6	3.7
Assumed Protection (dB) Angenommener (dB) Protection supposée (dB)	-	13.4	18.8	25.9	24.9	27.8	34.7	39.0

Earmuff Construction

Plastic [or Dielectric]

Other Material

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

Dielectric

No

Color

Black Headband and Blue cups

Batteries Needed

2AA

Battery Autonomy (hrs)

140

Weight (grs)

369

Headband Style

Over-Head

Sound Amplification

Yes

AM/FM Radio

No

Automatic Shut-Off Function

Yes

Audio Input Jack

No

Hi-Visibility

No

Certifications **E.C. Declaration of Conformity****EC Category PPE**

2

Quality Assurance

ISO 9001 / 2000

EC Certificate Number

23140S03

EC Attestation EC Attestation**EC Attestation Number**

23140T01

Literature & Documents **PIC SKU - Pictures**<http://www.honeywellsafety.com/assets/0/324/500/51887/fcdccedc9d444b489f23c35046189adc.jpg>**Maintenance****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 Instructions

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.

Parts & Accessories**Accessories**

Hygiene Kit - Packed in a plastic bag, including two ear cushions and two dust covers. Ref. # 1008000 for Impact, Impact H, Radio, Electro, Electro H

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

Packaging

EAN Code

7312550103746

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FIOH
Finnish Institute of Occupational Health, Department of Physics
notified by the Ministry of Social Affairs and Health and
identified under 0403
grants

EC TYPE EXAMINATION CERTIFICATE

No. 23140S03

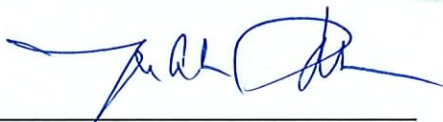
for
level dependent hearing protector with stereo FM radio
as defined in EN 352-1:2002 and EN 352-4:2001

Bilsom Electro

Bacou-Dalloz AB
26050 Billesholm
Sweden

This product complies with Directive 89/686/EEC, as amended

Helsinki, 22 October 2003



Jukka Starck
Director of the Department

Erja Tammela
Research Engineer

This certificate comprises 3 pages, of which this is the first one.



1. Applicant

Bacou-Dalloz AB
Box 550 Dungatan 2
SE-26050 Billesholm

SWEDEN

2. Description and identification of the product

Type: Electronic ear muff type hearing protector with level dependent function and stereo FM radio

Name: Bilsom Electro

Description: Hearing protector with level dependent function and stereo FM radio

Picture of the product





3. Adequacy and validity of the technical documentation

The documentation supplied by the applicant is listed in Appendix 1. The technical documentation is considered adequate and valid. The product has been tested in accordance with harmonized European standard EN 352-1:2002 and EN 352-4:2001 by accredited testing methods. The model of the product supplied by the applicant conforms with the technical documentation.

4. Compliance with basic health and safety requirements

The product complies with the relevant basic health and safety requirements stated in Directive 89/686/EEC Annex II as amended by 93/95/EEC and 93/68/EEC (in Finnish Vnp 1406/93 Liite 1).

5. Summary

The product and the technical documentation relating to it complies with the relevant basic health and safety requirements stated in Directive 89/686/EEC, as amended.

Note: Any modification in design, materials, or in the technical documentation, carried out on this type-examined product must be brought to the attention of FIOH.

End of EC type examination certificate no 23140S03.



E.C. Declaration of Conformity

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

Honeywell Safety Products Europe

Declares that the Personal Protective Equipment described here after conforms to the provisions of the European Council Directive 89/686/CEE:

Designation: Bilsom Electro Electronic Earmuff

Reference: 1010374

Standard(s): EN-352-1:2002, EN-352-4:2002

This PPE is the object of the below EC examination certificate n°:

23140S03

Delivered by:

Finnish Institute of Occupational Health

Department of Physics, Notified Body No. 0483

Topeliuksenkatu 41 a A

FIN-00250

Helsinki

Finland

Drawn up in Finland, on the 20/05/2016

By:

Division: Hearing Protection

A handwritten signature in dark ink, appearing to read "Stephen Gilder", is written over a light blue horizontal line.

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www.honeywellsafety.com

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PIC SKU - Pictures

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