

INSPEC

EC TYPE-EXAMINATION CERTIFICATE: 1310

Product description: -

Hearing Protection – Ear Muffs

Product identification: -

HB640 and HB650
Over-the-Head wearing mode
Sizes small, medium and large

Manufactured by: -

Elvex Corporation
PO Box 850, Bethel
CT 06801
U.S.A.



When assessed and examined against harmonised standard EN352-1:2002 are found to be in conformity with Council Directive 89/686/EEC and associated amendments, relating to personal protective equipment.

Authorised EU Representative: -

Bertil Leander
Attorney at Law
Cityadvokaterna in Malmo
Sodergatan 14
SE-21134 Malmo, Sweden

Signed

K J Warren, Manager, Certification Services

Date: 24th January 2005

For and on behalf of INSPEC International Ltd. (Notified Body No: 0194)

certificate invalid
if not embossed

Test Report

EN 352-1 : 2002

Report no: 04.11.21
Client: INSPEC Certification Services
Upper Wingbury Courtyard
Wingrave
Aylesbury
Buckinghamshire
HP22 4LW
Client order: TS04/2554
Order(s) received: 13 September and 12 October 2004
Manufacturer: Elvex Corporation
Model: HB650
Date(s) tested: 22 September to 9 November 2004

Conditions:

This report shall not be reproduced except in full, without the written approval of INSPEC International Limited.

Opinions, comments and interpretations expressed herein are outside the scope of UKAS accreditation are shown in italics in this report.

Tests marked are not included in the UKAS accreditation schedule for INSPEC.

Samples will be disposed of within one month of this report unless alternative instructions are received.

Checked:

S. J. WRIGHT

Approved:

A. NELSON

Issued: 22 November 2004

Page 1 of 7

Model HB650
 Mode tested Over-The-Head
 Attenuation results (values in dB) See below
 Test Reference No. HP04/10/10

Frequency (Hz)

Subject	Sample	63	125	250	500	1000	2000	4000	8000
DMM	01	20	16	23	36	38	34	46	36
FW	01	11	18	26	30	38	34	44	30
SVH	01	20	16	24	28	40	34	44	30
PK	01	23	20	28	32	42	34	44	40
AO	02	18	22	28	34	40	38	42	36
ES	02	18	22	28	38	46	45	42	48
CN	02	18	22	30	34	44	34	42	34
RO	02	16	18	20	34	38	36	38	42
RC	03	20	18	26	32	40	34	38	34
JU	03	20	18	26	34	32	37	48	41
CL	03	17	18	26	34	36	33	42	42
HK	03	21	18	25	36	42	34	48	43
FB	04	24	21	24	34	41	35	44	40
DW	04	18	18	26	34	40	32	44	38
PD	04	16	18	26	36	38	34	46	46
JB	04	28	26	32	38	38	34	44	42
Mean									
Attenuation		19.3	19.3	26.1	34.0	39.6	35.1	43.5	38.9
Standard									
Deviation		3.8	2.7	2.8	2.6	3.2	3.0	2.9	5.2
Assumed									
Protection		15.5	16.6	23.3	31.4	36.4	32.1	40.6	33.7
SSV2									

Assumed Protection Value rounded to one decimal place.

APPLICATION FORCE:

The application force of each sample ear muff was measured as specified in Clause 4.6, at 145mm head width and 129mm head height. The measurements were recorded after a period of 2 minutes. The results are presented below:

Sample	Force (N)
01	9.8
02	10.2
03	10.3
04	10.1

REPLACEABLE PARTS:

1. Cushions
2. Foam absorbers

ATTENUATION VALUES CALCULATED FROM
UNIVERSITY OF SALFORD,
SCHOOL OF COMPUTING, SCIENCE AND ENGINEERING
REPORT NO: HP/04/52

H	=	35
M	=	32
L	=	24
SNR	=	34