
**Acoustics — Hearing protectors —
Part 2:
Estimation of effective A-weighted
sound pressure levels when hearing
protectors are worn**

Acoustique — Protecteurs individuels contre le bruit —

*Partie 2: Estimation des niveaux de pression acoustique pondérés A en
cas d'utilisation de protecteurs individuels contre le bruit*

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Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Measurement of sound attenuation of hearing protectors	2
5 Calculation of the assumed protection value, APV_{fx}, of a hearing protector for a selected protection performance	2
6 Octave-band method	3
7 HML method	4
7.1 General	4
7.2 Calculation of H , M and L values	4
7.3 Application of HML method for estimation of the effective A-weighted sound pressure level	6
8 SNR method	6
8.1 General	6
8.2 Calculation of SNR values	6
8.3 Application of SNR method for estimation of the effective A-weighted sound pressure level	7
Annex A (informative) Example of the calculation of the assumed protection values, APV_{fx}	9
Annex B (informative) Example of the calculation of $L'_{p, Ax}$ according to the octave-band method	10
Annex C (informative) Example of the calculation and use of H, M and L values	11
Annex D (informative) Example of the calculation and use of SNR values	14
Annex E (informative) Uncertainty of attenuation values and ratings	16
Bibliography	18

Foreword

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This document was prepared by Technical Committee ISO/TC 43, *Acoustics*, Subcommittee SC 1, *Noise*.

This second edition cancels and replaces the first edition (ISO 4869-2:1994) which has been technically revised. It also incorporates the corrected version ISO 4869-2:1994/Cor.1:2006.

The main technical changes are:

In the prior edition of the standard the *H*, *M*, *L*, and *SNR* values were computed from the group average data by frequency. In this edition, the values are computed subject by subject and then combined to provide both a mean value and a standard deviation value so that population distribution can be estimated. The sound attenuation values for the frequency 63 Hz have been excluded from the *H*, *M*, *L* and *SNR* calculation methods since this test frequency is optional in ISO 4869-1. Prior to rounding to the nearest integer, values derived using this edition deviate from those derived using the previous edition by less than 1 dB.

A list of all parts in the ISO 4869 series can be found on the ISO website.

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