



minuendo®

Lossless earplugs

Certifications & Ratings

U.S. Standard (ANSI)

Applies to foam tips in fully closed position

Frequency (Hz)	125	250	500	1000	2000	3150	4000	6300	8000
Mean Attenuations (dB)	22.7	20.8	24.7	26.7	34.3	37.2	37.2	39.8	39.5
Standard Deviations (dB)	4.0	2.8	3.3	3.1	3.6	3.7	3.9	4.1	3.6

	Foam	1-Flange	2-Flange	3-Flange
NRR Value (dB)	21	15	20	21

Michael & Associates is accredited by the National Institute of Standards and Technology (NIST) National Laboratory Accreditation Program (NVLAP) for tests performed according to ANSI S3.19-1974, ANSI S12.6-2016, AS/NZ S1270:2002, and EN352 parts 1-8. These accreditation criteria encompass the requirements of international standard ISO 17025. All measurement equipment are calibrated with instrumentation traceable to the NIST.

European Standard (CE)

Applies to foam tips in fully closed position

Frequency (Hz)	125	250	500	1000	2000	4000	8000
Mean Attenuations (dB)	20,5	19,3	20,0	21,9	30,1	27,9	33,9
Standard Deviations (dB)	4,1	3,0	3,8	3,5	4,1	5,0	6,3
APV	16,4	16,3	16,2	18,4	26,0	22,9	27,6

H=24dB/ M=19dB/ L=18dB

EN 352-2:2002 in fully closed position and compliant to PPE EU regulation 2016/425

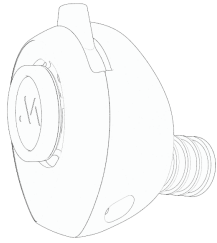
	Foam	1-Flange	2-Flange	3-Flange
SNR Value (dB)	22	19	21	24

Notified body: ID 1974, PZT GmbH, Bismarckstrasse 264B, 26389 Wilhelmshaven, Germany.

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Declaration of Conformity to Basic Requirements

(Regulation (EU) 2016/425 Declaration of Conformity to Basic Requirements
(Regulation (EU) 2016/425 with issue of an EU-Type Examination Certificate, Annex V)
and EN352-2:2002.



The manufacturer:
Minuendo AS
Nedre Slottsgate 2C, 0153 Oslo, Norway

Name: Minuendo Music lossless earplugs
Model: MM01BBS
Description: Minuendo lossless earplugs are an adjustable hearing protection.

Minuendo AS has considered all the basic requirements as found in the directive as determined applicable to the device described below and assures the conformity of the device to that standard and directive.

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Testing and certification according to, done at: PZT GmbH – Also yearly checks for Module C2.
NOBO number 1974 - Bismarckstraße 264 B, D - 26389 Wilhelmshaven, Deutschland – Germany

Signed by Minuendo AS
represented by: Stian Aldrin
Position: CEO

A handwritten signature in black ink, appearing to read 'Stian Aldrin', written over a light grey rectangular background.

Declaration of conformity - version 1.0 - 10th of December 2020