

Supreme Pro X Level Dependent Ear Muffs

[Technical Data sheet]



Foldable headband version



Neckband version

Key features

- Slim cup design
- Available both as a foldable headband version and a neckband version
- Easy to use push buttons operates the electronic functions
- Level Dependent function that allow you to hear ambient sound like warning signals, moving vehicles and important information and still be protected from hazardous noise
- Available with green or black cups
- Available with camouflage or leather headband
- Water proof microphones (IP67 tested)
- 5 years warranty on the electronic components
- Amplification of low sounds
- Very natural sound reproduction through the speakers inside the cups
- Sound reproduced through the level dependent function is limited to a maximum of 82 dB
- Automatic switch-off after 4 hours if no button is activated saves battery life
- Low battery warning when approximately 40 hours is left of the battery life
- Audio input (AUX) for connecting external audio sources, such as communication radios
- Lead with 3.5 mm mono jack plug included

Materials

Headband: ABS and stainless spring steel Headband padding: Leather or camouflage fabric (cotton/nylon)	Cups: ABS Neckband: Stainless spring steel Neckband net: Polyethylene	Inserts: Polyether foam Sealing cushion: see options below
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Technical information

Batteries:	2 x 1.5 V AAA/LR03, estimated operating time is around 600 hours
Level Dependent microphone frequency response:	100 Hz – 10 KHz
Loudspeakers / loudspeaker response:	2 x 32 Ohm / 20 Hz – 20 KHz
Operating conditions:	- 20°C - + 50°C
Max audio signal allowed from the connected radio to not exceed 82 dB(A) through the speakers:	399 mVrms
Weight headband version/neckband version, excl batteries:	330 gram/280 gram
Complies with following environmental directives:	RoHS, WEEE

European Approvals



АЯ12
ГОСТ Р 12.4.208-99



019
СТБ ГОСТ Р 12.4.208-2006



УкрТЕСТ - 003
ДСТУ EN 352-1-2002



KZ.7500231

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Hygiene Kits

Supreme Pro X headband versions are available with any of these sealing cushions (see ordering information):

Foam cushions (hygiene kit p/n SOR60089)



Foam cushion:
PVC covered PU (Polyurethane) foam
Inserts/liners: Polyether foam

Gel cushions (hygiene kit p/n SOR60092)



Gel cushion:
TPU (thermoplastic Polyurethane) foil covered
HTPB (hydroxyl terminated Polybutadiene) filling
Insert/liners: Polyether foam

EN Approvals

ATTENUATION DATA



Headband version

Tested and certified to EN352-1:2002, EN352-4:2001/A1:2005 and EN352-6:2002 by BGIA, Germany (0121).

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	14.5	13.5	15.5	23.7	24.1	30.4	36.6	38.6
Stand. Deviation, s_f (dB)	2.8	3.2	1.9	3.9	2.7	3.2	4.4	4.2
APV ($M_f - s_f$) (dB)	11.7	10.3	13.6	19.8	21.4	27.2	32.2	34.4

H=28 dB, M=21 dB, L=16 dB, SNR=25 dB

Neckband version

Tested and certified to EN352-1:2002, EN352-4:2002 and EN352-6:2002 by FIOH, Finland (0403).

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	12.8	11.0	16.0	23.0	24.6	27.4	38.8	41.1
Stand. Deviation, s_f (dB)	4.6	3.9	2.1	2.0	3.1	3.1	3.8	3.7
APV ($M_f - s_f$) (dB)	8.2	7.1	13.9	21.0	21.6	24.3	34.9	37.3

H=26 dB, M=21 dB, L=15 dB, SNR=24 dB

Criterion levels:

Criterion Levels [dB(A)]	H	M	L
Headband version	113	105	94
Neckband version	110	103	95

Ear muff sizing:

	Approved Sizes
Headband	M, L
Neckband	S, M, L

EMC tested to EN55022 and EN55024.

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ANSI Approvals

Tested to ANSI S3.19-1974 by Michael & Associates, Inc., USA.

ATTENUATION DATA

Headband version

Frequency Hz	125	250	500	1000	2000	31500	4000	6300	8000
Mean attenuation (dB)	11.1	16.5	23.1	25.0	29.5	33.9	35.5	38.3	38.7
Stand. Deviation (dB)	2.6	3.0	3.2	2.8	4.1	3.1	3.6	4.0	3.2

NNR = 18 dB

Neckband version

Frequency Hz	125	250	500	1000	2000	31500	4000	6300	8000
Mean attenuation (dB)	14.7	17.2	24.3	23.5	27.3	34.7	38.5	41.5	41.7
Stand. Deviation (dB)	3.7	2.1	2.9	2.5	2.6	2.8	3.7	1.6	2.5

NNR = 19 dB

Ordering information

Product number	Version	Cup colour	Cushion
SOR75302-X	Foldable headband, camouflage cover	Green	Foam
SOR75302-X-G	Foldable headband, camouflage cover	Green	Gel
SOR75302-X-02	Foldable headband, black textile cover	Black	Foam
SOR75302-X-02-G	Foldable headband, black textile cover	Black	Gel
SOR75302-X/L	Foldable headband, leather cover	Green	Foam
SOR75302-X/L-G	Foldable headband, leather cover	Green	Gel
SOR75302-X/L-02	Foldable headband, leather cover	Black	Foam
SOR75302-X/L-02-G	Foldable headband, leather cover	Black	Gel
SOR76302-X	Neckband	Green	Foam
SOR76302-X-02	Neckband	Black	Foam
Hygiene kit:			
SOR60089	Hygiene kit foam – 1 pair of foam cushions and 1 pair of inserts		
SOR60092	Hygiene kit gel – 1 pair of gel cushions and 1 pair of inserts		