

SONIS® OVER MOULDED HEADBAND EAR DEFENDER

EAR DEFENDERS AVAILABLE IN 4 MODELS: SONIS®1, SONIS®2, SONIS®C, SONIS®3

TECHNICAL SPECIFICATION

HEARING PROTECTION

INSTRUCTIONS FOR USE

- Pull the cups to the maximum extent of the headband.
- Place the headband on top of the head and apply pressure to the headband to keep it in place.
- Slide each cup upwards until the cushion encloses the ear and the seal is not broken by the ear.



MATERIALS

- ABS Cups
- Foam/PET combination cushions
- Stainless steel wire
- TPE headband moulding

LIMITATIONS OF USE

- Protection will only be offered if the ear defender is fitted correctly
- Ear pads may deteriorate with use and should be examined at frequent intervals
- Do not apply paint, solvents, adhesives or self-adhesive labels, except in accordance with instructions from the manufacturer
- The ear pads, when in contact with the skin may cause allergic reactions to susceptible individuals
- If this occurs leave the hazard area, remove the ear defender and seek medical advice
- If the ear defender is to be worn for long periods the noise level must be reduced to 80dB
- Before selection of a suitable ear defender a noise survey should be carried out
- Spectacle frames and hair between the ear pads and the head may affect the performance of the ear defender
- Hearing Protection should be used in accordance with the local legislation in force at time of use

SONIS® FEATURES & BENEFITS

- Comfortable: Overmoulded headband has a built-in comfort area with ventilation.
- Hygienic: Hygiene kits are available for each model and the TPE headband is easy to wipe clean.
- Colour coding: The Sonis® ear defenders range has been designed with a colour code system for simple selection.

DIMENSIONS OF EAR DEFENDERS

- Sonis®1:**
 - Depth: 100mm
 - Width: 130mm
 - Height: 186mm
 - Weight: 290g (Approx.)
- Sonis®2:**
 - Depth: 100mm
 - Width: 135mm
 - Height: 186mm
 - Weight: 300g (Approx.)
- Sonis®C:**
 - Depth: 100mm
 - Width: 130mm
 - Height: 186mm
 - Weight: 310g (Approx.)
- Sonis®3:**
 - Depth: 100mm
 - Width: 170mm
 - Height: 193mm
 - Weight: 320g (Approx.)



CONFORMITY

- Conforms to EN 352-1:2002
- EC Certificate Number 662532
- Kitemark Number KM 662534

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TECHNICAL SPECIFICATION

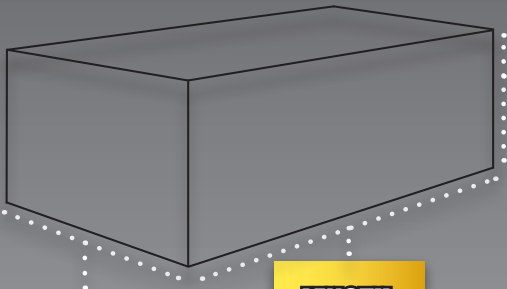
HEARING PROTECTION

DIMENSIONS OF OUTER PACKAGING

Sonis®1, Sonis®2, Sonis®C:

Quantity: 10

Weight: 3.7kg (Approx.)



HEIGHT:
210mm

WIDTH:
332mm

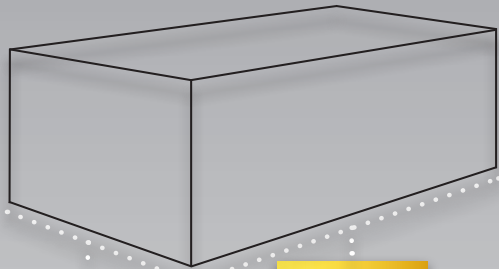
LENGTH:
570mm

DIMENSIONS OF OUTER PACKAGING

Sonis®3:

Quantity: 10

Weight: 5.2kg (Approx.)



HEIGHT:
210mm

WIDTH:
392mm

LENGTH:
570mm

CLEANING & MAINTENANCE

Clean with soap and warm water and dry with a soft cloth

Do not use chemical or abrasive cleaners

Store out of direct sunlight, away from chemicals and not exposed to extremes of temperature

PERFORMANCE

SONIS®1 EAR DEFENDERS

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	13.9	13.1	15.4	25.5	31.9	32.8	35.4	36.9
Standard Deviation (dB)	3.7	1.9	2.4	2.1	3.8	3.7	2.7	3.1
Assumed Protection (dB)	10.2	11.2	13.0	23.4	28.1	29.0	32.7	33.8
	H=31		M=24		L=16		SNR=27	

SONIS®2 EAR DEFENDERS

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	17.8	16.9	20.4	30.5	39.4	35.0	38.3	36.9
Standard Deviation (dB)	3.3	1.8	2.7	1.9	4.2	3.3	3.4	3.3
Assumed Protection (dB)	14.4	15.1	17.7	28.6	35.1	31.7	34.8	33.5
	H=34		M=29		L=21		SNR=31	

SONIS®C EAR DEFENDERS

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	18.0	18.4	20.4	28.8	40.0	36.3	42.4	43.1
Standard Deviation (dB)	3.3	2.2	1.8	1.6	2.9	4.4	2.2	3.4
Assumed Protection (dB)	14.7	16.2	18.6	27.1	37.1	31.8	40.2	39.7
	H=35		M=29		L=21		SNR=32	

SONIS®3 EAR DEFENDERS

Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean Attenuation (dB)	21.5	22.1	28.4	38.8	45.0	40.3	39.5	40.6
Standard Deviation (dB)	3.4	2.5	2.0	2.3	4.9	3.6	3.3	2.7
Assumed Protection (dB)	18.1	19.7	26.4	36.5	40.1	36.7	36.2	37.9
	H=37		M=35		L=27		SNR=37	