

Serenity SP/SPC

Technical Data

Modular static hearing protection

Serenity SP and Serenity SPC are custom-made **modular hearing protection** systems. This modularity allows different interchangeable static filters to be inserted into a user's eShells (Serenity SP), or different static filters featuring an integrated headset can be used (Serenity SPC), combining static hearing protection with communication via a cordless phone, cellphone or radio device. Both Serenity SP and SPC are lightweight, ergonomic and highly comfortable to wear.

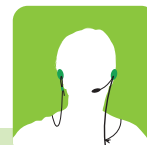
Serenity SP



Features:

- Custom molded nylon eShells:
 - outstanding comfort
 - skin friendly (no sweating, no irritation)
 - feather light
 - highly robust
 - cost-efficient reproduction
- Acoustic attenuation filters fitted into the earJacks:
 - several noise attenuation values
 - perception of loud warning signals maintained
- Protection level verifiable with SafetyMeter
- Compatible with helmets, masks and glasses
- Upgradeable with communication and/or dynamic protection

Serenity SPC (with communication)



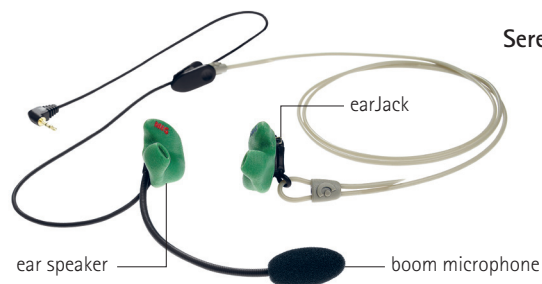
Serenity SPC offers the same hearing protection features as Serenity SP, plus:

- Communication headset integrated in the earJack (can be mounted on left or right eShell)
- Connection to mobile and cordless phones
- Connection to radios (via separate PTT)
- Uninterrupted hearing protection during calls
- Excellent speech comprehension in noisy environments
- Clear speech transmission – even in noise or during vigorous body movements
- Headset compatible with other users' eShells

Serenity SP



Serenity SPC



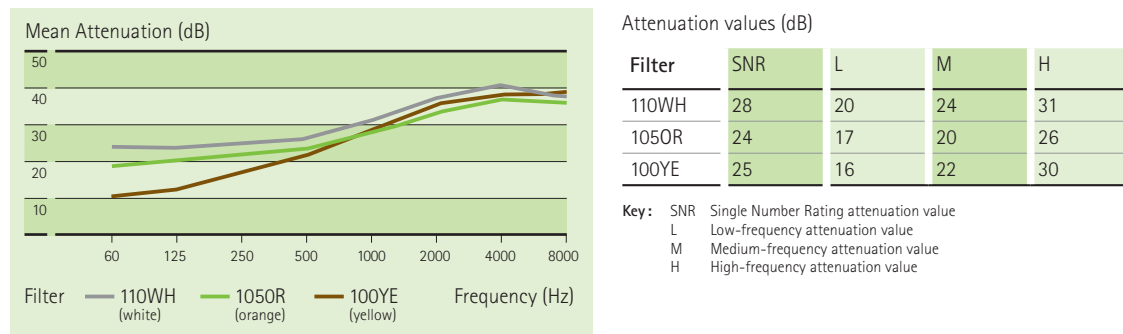
Serenity SP/ SPC

General Features

- Weight** Serenity SP 10 g
 Serenity SPC 22 g
- Marking** Unique user ID on each eShell
- Accessories** Silicone cord with safety breaks
 Attachment clip
 Metal detection (optional)
 Carrying case

Hearing Protection Specifications (Serenity SP/SPC)

Serenity SP and Serenity SPC comply with the EU directive 89/686/EEC and are tested and certified according to EN 352-2:2002.



Technical Specifications (Serenity SPC)

Microphone sensitivity	-44 (± 3) dB re. 1 V/Pa at 1 kHz
Microphone feed voltage	1.5 V ... 10 V
Transmission microphone type	Electret, close talk, noise canceling
Ear speaker sensitivity	94 dBA @ 150 mVRMS
Ear speaker impedance	50 Ω DC 100 Ω @ 1 kHz
Maximum volume at ear speaker	100 dB(SPL)
Phone / radio connection	2.5 mm 3 pole headset jack connector Adapters for various cellphones available Separate PTT units for radios available
Cable pull force	50 N
Operational temperature range	-20°C - +60°C
Electromagnetic compatibility (EMC)	EN 55022, EN 55024
Inflammability	EN 13819-1 ch. 5.6

