

PRO-10 Hearing Protector

Product Strapline

The lightest filter in the PRO range giving softer attenuation for delicate and detailed acoustic performances

Short Description

The PRO-10 by ACS provides some of the softest attenuation available, perfect for quieter performances, protecting you from exposure but keeping you close to the music. The vented design offers reduced occlusion which makes communication and vocal performances sound more natural resulting in a plug that is more transparent to the wearer. The complete plug, custom made in soft silicone offers one of the most comfortable hearing protection solutions available with the additional benefit of water resistance for increased longevity. The PRO-10 gives you accurate protection with incredible subtlety that keeps you close to your performance without risk of over exposure.

Part Code PRO-10
Rev. Date 10/12



Full Description

Strong enough to protect, subtle enough to engage

The PRO-10 offers highly delicate and level attenuation averaging 10dB, giving the most subtle protection in the whole of the PRO range. Ideal for vocal and acoustic performers, the PRO is perfect for environments that are only just edging over safe levels. Offering a natural and transparent sound to the wearer, the PRO-10 allows musicians working with intricate acoustic performances to stay within the safe limits of exposure while keeping completely engaged with the performance filling the gap between no protection and over protection.

The next generation of filter design

The PRO filter series has been designed anew with the wearer in mind. For starters, it's smaller than many competing filters which means it can fit into smaller ears without any protrusion which is great for both comfort and aesthetics. The filters are also user-swappable so you can chop and change as your environment demands to any other filter in the PRO range giving you complete control over your protection with just a single set of earmoulds. In addition, the PRO series are water resistant so they can be used outside or in high moisture environments and can withstand perspiration without it damaging the filter membrane.

The curse of the occlusion effect

Trying to create a natural sounding earplug is no mean feat as far as your own voice is concerned because, as you will have experienced, when you block off your ear canal your own voice starts to boom inside your head, this is what we call occlusion. Occlusion is caused by sound that is carried to your ear canal through the cartilage at the side of your head and usually escapes through the open ear canal so is not heard. When we block off the canal this sound cannot escape and so creates that booming effect. A large amount of occlusion can be eliminated by ensuring that the earplug sits deep enough into the ear canal to extend past the cartilage so that the sound hits the plug and is deadened rather than entering the canal at all but the PRO filters go one step further. The PRO series are vented to allow sound to pass both ways which means that remaining sound can escape directly through the filter providing one of the most natural sounding earplugs available.

Tailor made for you

The PRO-10 is custom-made using soft medical-grade silicone so you get the very best in isolation and fit allowing you to wear them for hours at a time without fatigue or discomfort. Each earpiece is manufactured to the highest standards ensuring you get a comfortable, discreet and effective hearing protector that can be fitted quickly, easily and securely every time.

Please Note : The PRO-10 deliberately does not meet the minimum attenuation of 12dB above 1KHz that is required by the EN352-2 standard, it is therefore not tested or certificated under this standard.

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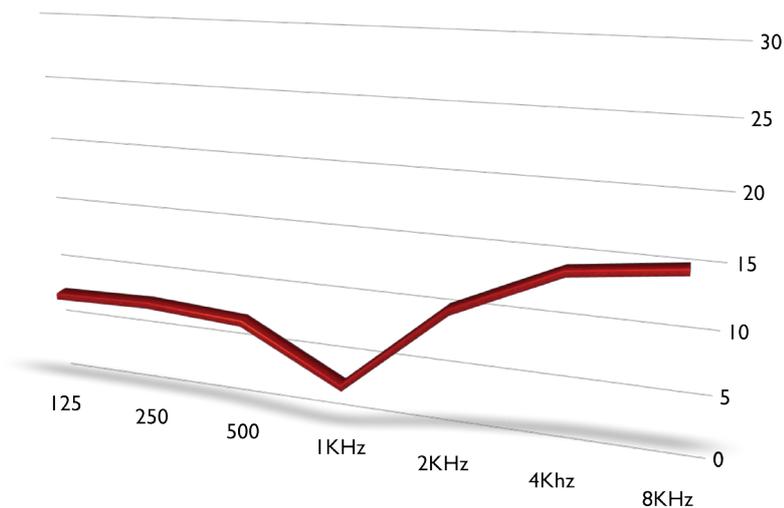
Technical Specification

SNR (Single Number Rating)	10dB
High Spectrum Average Attenuation	10dB
Mid Spectrum Average Attenuation	6dB
Low Spectrum Average Attenuation	7dB
Weight	3g Net 83g Gross Average weight will vary according to ear size
Build Material	40 Shore Medical Grade Silicone
Mould Type	Canal Mould
Standard Colour	Clear
Included Accessories	Instruction Leaflet, Wax Pick, Comfort Cream, Carry Pouch
Optional Accessories	None
Package Dimensions	170mm x 125mm x 28mm
Warranty Period	1 Year against manufacturing and component failure
Attenuation Determined By	Dynamic Ear Company Rotterdamseweg 380 NL-2629 HG Delft PRO10 does not meet the minimum attenuation requirements of EN352-2

Build options

Colour (Clear Default)	The PRO-10 can be produced in colours from our current colour chart
Laser Etching (None Default)	The PRO-10 can be laser etched up to 10 characters
Removal Grips	The PRO-10 may be fitted with grips to aid removal
Connection Cord	The PRO-10 may be fitted with a connection cord for security

Attenuation



Mean Attenuation (M in dB)	11.00	11.00	9.5	4.6	13.4	17.8	19.5
Standard Deviation (S)	2.8	2.6	1.6	0.9	2.6	3.2	3.9
Assumed Protection (APV in dB)	8.2	8.4	7.9	3.7	10.8	14.6	15.6
SNR (dB) 10	L(dB) 6.8		M(dB) 6.1		H(dB) 10.5		

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Image Library

