

PRO-15 Hearing Protector

Product Strapline

Softer attenuation with a high frequency peak, ideal for acoustic and orchestral musicians

Short Description

The PRO-15 by ACS provides more subtle attenuation that's perfect for use in acoustic or orchestral environments sloping up in the higher frequencies for protection against heavily played wind instruments. 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 for unplugged musicians with the additional benefit of water resistance for increased longevity. The PRO-15 represents the next generation of musicians hearing protection

SRP £139

Part Code PRO-15

Rev. Date 12/10



Full Description

Protection just where you need it

The PRO-15's attenuation curve is the result of a very specific design that satisfies two very important requirements. Firstly, the requirement of acoustic musicians to be able to hear what they're doing whilst being protected from peaks in higher frequencies but where the overall noise is lower than for many other musicians. The PRO-15 solves this with a flat 12dB protection up to the midrange and then a gentle curve up to 15dB at the high end where many of the dangerous blasts from wind instruments sit. Second is the requirement for a hearing protector that conforms to the European Standard for hearing protection for use under the Noise at Work regulations. The EN352-2 standard specifies minimum protection values at specific frequencies and creating a low noise hearing protector can be difficult without dipping below these values. The PRO-15 provides protection that's not only perfectly suited to the acoustic musician but also meets the requirements of EN352-2 so the musician and politician are perfectly happy.

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-15 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.

PRO-15 Hearing Protector

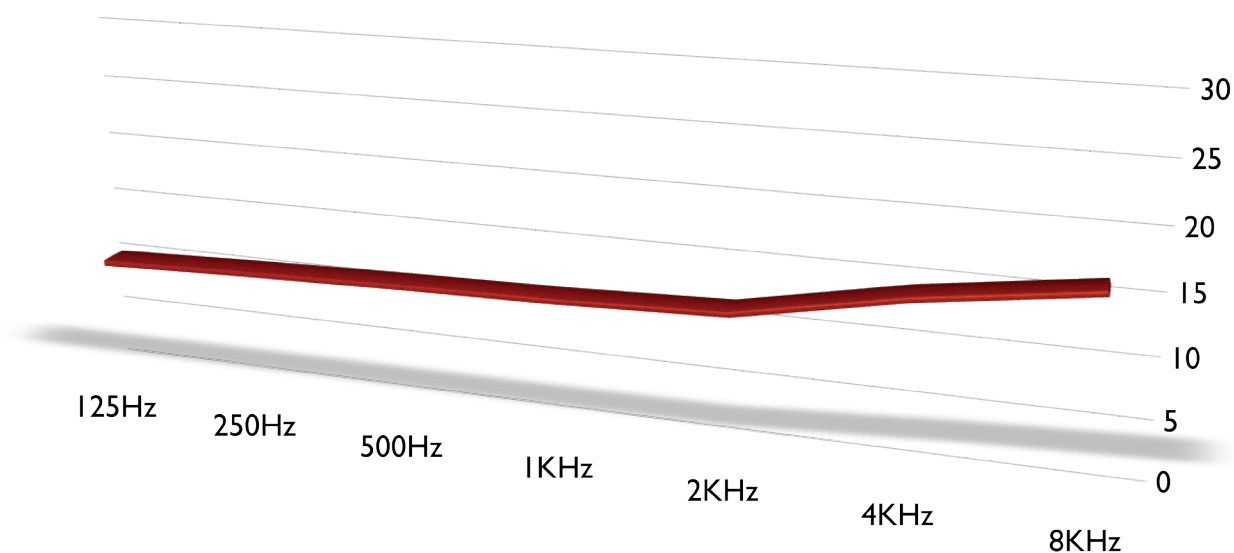
Technical Specification

SNR (Single Number Rating)	15dB
High Spectrum Average Attenuation	14dB
Mid Spectrum Average Attenuation	13dB
Low Spectrum Average Attenuation	12dB
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	BSI Product Services (0086), Maylands Avenue Hemel Hempstead, Herts, HP2 4SQ

Build options

Colour (Clear Default) - SRP £10	The PRO-15 can be produced in colours from our current colour chart
Laser Etching (None Default) - SRP £10	The PRO-15 can be laser etched up to 10 characters
Removal Grips - SRP £10	The PRO-15 may be fitted with grips to aid removal
Connection Cord - SRP £10	The PRO-15 may be fitted with a connection cord for security

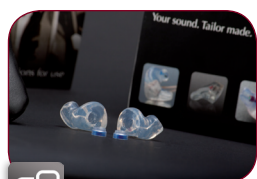
Attenuation



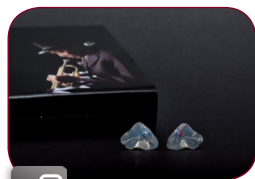
Mean Attenuation (M in dB)	15.00	14.38	14.53	13.75	15.78	18.59	21.09
Standard Deviation (S)	3.87	2.81	2.62	1.58	3.13	3.29	3.87
Assumed Protection (APV in dB)	11.13	11.56	11.91	12.17	12.66	15.31	17.22
SNR (dB) 14.91	L(dB) 12.06		M(dB) 12.53			H(dB) 13.81	

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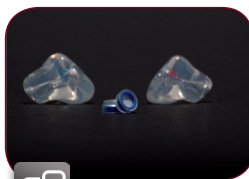
Image Library



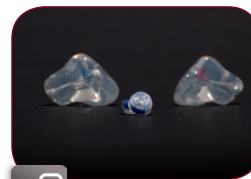
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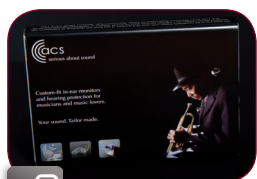
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PRO-15-5.jpg



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PRO-15-7.jpg



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PRO-15-10.jpg



PRO-15-11.jpg



PRO-15-12.jpg



PRO-15-13.jpg



PRO-Logo.jpg



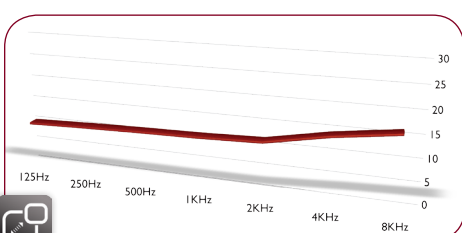
PRO-LogoWhite.jpg



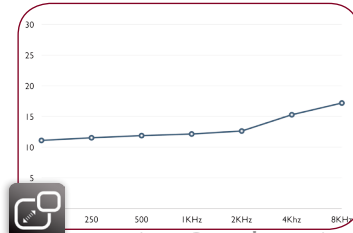
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