



Preliminary Specifications

BB129

Bang Buster

Active Ear Plug

Features

Ultra-fast Attack Time

Dynamic Range Compression

Volume Control

Soft Silicon Ear Tips

Applications

Shooting

Industry

Motor Racing

Military



In-ear Active Hearing Protection

The Sensorcom BB129 "Bang Buster" has been designed to be used in high noise environments and especially where high noise peaks may occur such as with gun use or machinery. As a generic fitting, the BB-129 is available for left or right ear fitting and incorporates a microphone, ear-phone driver with volume control and an ultra-fast compression system with a "brick-wall" output limiter restricting the transmitted output to 85dB regardless of the ambient noise levels.

The highly sophisticated audio processing used in the BB129 has a wide dynamic range and will respond to low level signal when using a telephone or engaging in whispered con-

versation as well as very loud noises without saturation distortion.

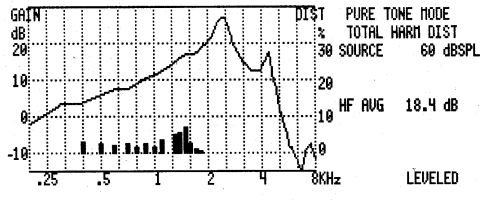
Supplied with soft-silicon ear-tip which can be adjusted to suit all ear sizes, these exclude up to 30dB of ambient noise when properly fitted and are easily cleaned with warm soapy water.

The A312 battery will operate for up to 80 hours (depending on type of use) and is easily changed using the swing-tray which doubles as the on/off switch.

The BB129 can be used singly, with a regular foam or silicon ear plug or in pairs where it is important that every noise detail is heard and to minimise disorientation effects which may occur when listening with one ear.

Technical Specifications

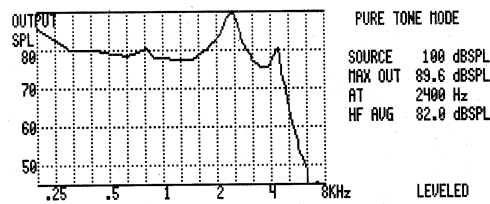
Performance Graphs



Gain Trace

The average gain of the BB129 is 18dB with a maximum gain of 22dB.

All measurements to IEC 118-7



Output SPL

Active dynamic compression above input signal levels of 70dB with absolute brick-wall limiting at 85dB

All measurements to IEC 118-7

Operation

The BB129 incorporates a volume control which is continuously variable to the desired listening levels.

An integral On/Off switch is fitted and the BB129 will operate for up to 80 hours on with one ZA312 battery.

It is important that the BB129 is properly fitted and is comfortable. Your dealer will be able to advise you on how to obtain the best fit and how it operates. If the BB129 is used in one ear only it is essential that the opposing ear is fitted with a good quality plug.

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|--|---|
| Weight | 3 grammes |
| Average Gain | 18dB |
| Maximum Gain | 22dB |
| Maximum Output SPL | 87dB |
| Equivalent Noise Input | 30.9dB |
| Dynamic Noise Compression Threshold | 70dB |
| Brick-wall Limit Point | 85dB |
| Battery Life | < 80 hours |
| Colour | Beige |
| Accessories | Ear-tips, Batteries, Ear plugs, Cleaning Spray, Hygiene Wipes |

Specification of this unit may be subject to design improvements without notice.

E&OE

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