

Lightweight Sensory Headset

[Technical Data sheet]



Features

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Technical information

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Ordering information

P/N	Description
SOR71001	Lightweight headset, single com, Nexus TP 120 connector
SOR71002	Lightweight headset, dual com, Nexus AP117BR connector

Lightweight Sensory Headset

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The LV23 is a professionally designed headset that allows the user to communicate effectively, regardless of whether the user is in a quiet or noisy environment.

Applying bone conduction technology, the in-coming receiver signals are converted into vibrations that are transmitted through the bone and to the auditory sense organs directly.

When the user needs to listen to the environment with both ears open, the user will “hear” the incoming messages through the bone conductors, while both ears are still open to the surroundings sound. In high noise environments where the user needs to don earplugs for protection, the bone conductors will still effectively transmit the incoming messages intelligibly.

Fitted with a high quality noise-cancelling microphone that rejects surrounding noise effectively, it allows the user to communicate even in high noise environments and still transmits an intelligible message across to the recipient.

With the low profile headband (behind the head), it can fit under most helmets, allowing the user to enjoy head protection while wearing a communication headset.

Potential applications include train operators, military & public safety personnel, professional audio and visual production crew, etc.



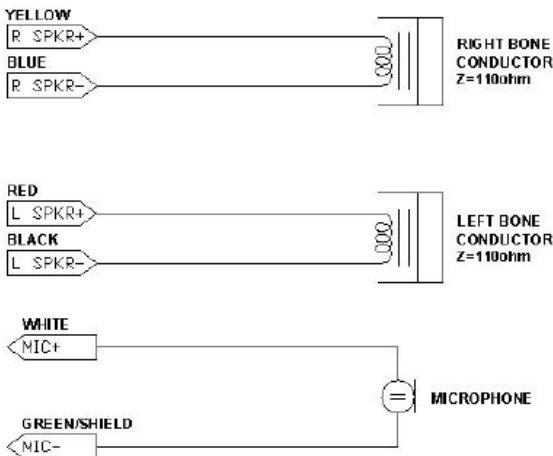
Low profile headband (behind the neck)



Bone Conductor



High Quality Noise Cancelling Microphone



LV-23 Specifications (Preliminary):	
Microphone Section	
Generating Element:	Electret Condenser
Polar Pattern:	Bi-Directional (Noise Cancelling)
Frequency Response:	200Hz – 6kHz
Sensitivity (@ 1kHz):	8mV re 1V/Pascal
Bias:	2V to 20V (2-wire)
Current Drain:	Less than 200µA at 2V bias (RL = 2.2 kOhms)
Gooseneck Diameter:	4mm
Bone Conductor Section	
Frequency Range:	300Hz to 5KHz
Output:	More than 96dB SPL equivalent at 2V rms into 55 Ohms
Overall Impedance:	55Ohms (110 Ohms in parallel)
Power Requirements:	Min= 5mW Max=125mW
Others	
Water Resistance:	Splash Proof (optional – 1 meter immersion proof)
Cable:	TPE Black, diameter 3.6mm
Accessories:	Windscreen
LV-03 available as:	single-sided left speaker version