

SM1B SERIES

The Versatile Solution for Safe Communication in Noisy Workplaces

The SM1B provides essential features and benefits to improve safety, reliability, and efficiency. Sensear's new industrial headset platform offers a robust design adhering to higher noise reduction standards. These headsets use Sensear's SENS® technology to enhance speech and suppress noise while the noise-canceling boom mic filters out background noises so that only speech is transmitted through the microphone.



Speech Enhancement
Noise Suppression



Face to Face
Communication



360°
Situational
Awareness



Electronic
Volume Limiter



Protects
Hearing



Two-way
Radios



FEATURES AND BENEFITS

- Clear two way radio communication in high-noise environment
- Limit 'in-ear' exposure to 82 dB(A)
- Upgraded 24 hour battery life for use in multiple shifts
- Available in headband, behind-the-neck, and helmet style
- SENS® Technology - remain aware of surrounding noises and hazards
- Enhances speech while suppressing background noise to a safe level
- Noise-canceling boom mic



SM1B Styles



Headband (HB)
SM1BB001



Behind-the-neck (BTN)
SM1BE001



Helmet Mount (HM)
SM1BH001

Technical Specifications

General

Mounting Type	Headband (HB)	Behind-the-neck (BTN)	Helmet Mount (HM)
Sensear Part Number	SM1BB001	SM1BE001	SM1BH001
Weight	495 g (17.46 oz.)	428 g (15.09 oz.)	480g (16.93 oz.)
IP Rating	IP54		
Operating temperature	-20°C to +60°C (-4°F to 140°F)		

Hearing Protection

Volume limiter	82 dB(A) [programmable] – only applicable when headset is powered on
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Region	Australia / NZ	USA / Canada	USA / Canada	Europe
Standard	AS/NZS 1270	ANSI S3.19	ANSI S12.6	EN352-1/EN352-3
Result	SLC80	NRR	NRR[SF]	SNR
HB	31 dB, Class 5	27 dB	27 dB	33 dB
BTN	27 dB, Class 5	24 dB	24.3 dB	30 dB
HM	26 dB, Class 5	23 dB	19.1 dB	31 dB

Power

Battery type	Rechargeable - lithium polymer
Battery capacity	2650 mAh
Operating time	24 hours
Charge time	7 hours
Charging temperature	-20°C to +40°C (-4°F to 104°F)

Communication

SENS® 360° Situational Awareness	95 dBA	
Voice Transmission	Boom microphone – noise canceling. VOX capable when connected to VOX enabled two-way radio.* *(Must be verified and tested for compatibility with the two-way radio).	
Wired Connectivity	6-pin Hirose connector	Audio revert to radio when headset Hirose disconnected* *(Dependent on radio type and compatible SRCK radio cable).

Noise is Everywhere



MANUFACTURING



CONSTRUCTION



HEAVY EQUIPMENT



MINING (ABOVE GROUND)

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