


smartMuff: Hearing Protection, Communication, and Safety Headset

The smartMuff serves three purposes: hearing protection up to 27dB NRR, enhanced speech communication, and 360° situational alertness. With the smartMuff, users will protect their ears and hear their peers. This headset has several applications, including recreation (ATVs, helicopter rides, gun ranges, etc.), lawn service/maintenance (listen to FM/AM radio), and workshops (metal/woodworking).

 See more details at sensear.com/products/headsets/smart-earmuff



KEY FEATURES	
SENS® Technology	Enhances speech while suppressing background noise to a safe level
360° Situational Awareness	Remain aware of surrounding noises and hazards
Hearing Protection	Up to 27dB NRR / 33dB SNR / 31dB, Class 5 SLC80
Volume Limiter	Limit 'in-ear' exposure to 82 dB(A)
Voice Transmission	Face-to-Face Communication via SENS®
Power	Upgraded 24-hour battery life for use in multiple shifts
Headsets Styles	Headband, Behind-the-Neck, Helmet Mount
IP Ratings	IP54

 360° SITUATIONAL AWARENESS	 ELECTRONIC VOLUME LIMITER	 PROTECTS HEARING
 ENHANCE SPEECH SUPPRESS NOISE	 FACE-TO-FACE COMMUNICATION	





Sensear in Action



Headset Styles



SM1PBS02 | HEADBAND

27dB NRR / 33dB SNR / 31dB, Class 5 SLC80



SM1PES02 | BEHIND-THE-NECK

24dB NRR / 30dB SNR / 27dB, Class 5 SLC80



SM1PHS02 | HELMET MOUNT

23dB NRR / 31dB SNR / 26dB, Class 5 SLC80

Technical Specifications

GENERAL	MOUNTING TYPE	PART NUMBER	WEIGHT	IP RATING	OPERATING TEMPERATURE		
	Headband (HB)	SM1PBS02	495 g (17.46 oz.)	IP54	-20°C to +60°C (-4°F to 140°F)		
	Behind-the-Neck (BTN)	SM1PES02	428 g (15.09 oz.)	IP54	-20°C to +60°C (-4°F to 140°F)		
	Helmet Mount (HM)	SM1PHS02	480g (16.93 oz.)	IP54	-20°C to +60°C (-4°F to 140°F)		
HEARING PROTECTION		REGION	STANDARD	RESULT	HB	BTN	HM
Volume Limiter - 82 dB(A) [programmable] Only applicable when headset is powered on		Australia / NZ	AS/NZS 1270	SLC80	31dB, Class 5	27dB, Class 5	26dB, Class 5
		USA / Canada	ANSI S3.19	NRR	27dB	24dB	23dB
		Europe	EN352-1/ EN352-3	SNR	33dB	30dB	31dB
POWER	BATTERY TYPE	BATTERY CAPACITY	OPERATING TIME	CHARGE TIME	CHARGING TEMPERATURE		
	Rechargeable Li-ion Polymer	2650 mAh	24 hours	5 hours	0°C to +40°C (32°F to 104°F)		
COMMUNICATION	FACE-TO-FACE SENS® MODE						
	SENS® voice pickup limit of 95 dB(A)						

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