

Smart Pro Bluetooth® Communication Headset | **SM1P03**

SM1P03: Sensear's Most Advanced Smart Bluetooth® Communication Headset

The new SM1P03 is a next-generation smart industrial headset designed to enhance safety, reliability, and communication in high-noise environments. Offering up to 27 dB of hearing protection and supporting both wired and wireless communication through two-way radio, Bluetooth®, and FM short-range, the SM1P03 now features an updated Bluetooth® 5.0 chip—enabling long-term sustainability in supply and greater flexibility for future interoperability and platform advancements. Equipped with Sensear's proprietary SENS® Technology and a noise-canceling boom microphone, the SM1P03 delivers clear, effective communication while reducing background noise, making it an ideal solution for evolving industrial demands.



See more details at
sensear.com/products/headsets/sm1p03



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)
Radio Communication	Two-Way Radio via Bluetooth® Wireless Technology or PTT Cable
Bluetooth® Communication	Bluetooth® 5.0, 15 m
Short-Range Communication	Up to 8 Programmable FM Channels, up to 45 m
FM Radio	Listen to commercial FM Radio stations
Voice Transmission	Noise-canceling Boom Mic, VOX-capable
Power	Upgraded 24-hour battery life for use in multiple shifts
Headsets Styles	Headband, Behind-the-Neck, Helmet Mount
IP Ratings	IP54 (headset), IP68 (boom mic)



Sensear
||| SAFETY THAT SPEAKS VOLUMES

SENS
TECHNOLOGY by Sensear



Sensear in Action

Headset Styles

SM1PB003 | HEADBAND
27dB NRR / 33dB SNR / 31dB, Class 5 SLC80

SM1PE003 | BEHIND-THE-NECK
24dB NRR / 30dB SNR / 27dB, Class 5 SLC80

SM1PH003 | HELMET MOUNT
23dB NRR / 31dB SNR / 26dB, Class 5 SLC80

Technical Specifications

GENERAL		MOUNTING TYPE	PART NUMBER	WEIGHT	IP RATING	OPERATING TEMPERATURE	
		Headband (HB)	SM1PB003	495 g (17.46 oz.)	IP54	-20°C to +60°C (-4°F to 140°F)	
		Behind-the-Neck (BTN)	SM1PE003	428 g (15.09 oz.)	IP54	-20°C to +60°C (-4°F to 140°F)	
		Helmet Mount (HM)	SM1PH003	480 g (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	33dB
POWER	BATTERY TYPE	BATTERY CAPACITY	OPERATING TIME		CHARGE TIME	CHARGING TEMPERATURE	
	Rechargeable Li-ion Polymer	2650 mAh	24 hours (wired) / 18 hours (Bluetooth®/SR)		5 hours	0°C to +40°C (32°F to 104°F)	
COMMUNICATION	FACE-TO-FACE SENS® MODE	VOICE TRANSMISSION		TWO-WAY RADIO		BLUETOOTH®	
	SENS® voice pickup limit of 95 dB(A)	Noise-canceling boom microphone. VOX capable when connected to VOX enabled two-way radio (Must be verified and tested for compatibility with the two-way radio.)		6-pin Hirose connector. Two-way radio audio through headset without headset battery. Audio revert to radio when headset Hirose disconnected. (Dependent on radio type and compatible SRCK radio cable.)		Bluetooth® 5.0: HFP (8 KHz and 16 KHz), HSP, A2DP. Up to 15 meters (49 ft).	
SHORT-RANGE COMMUNICATION				REGION	EIRP (UW)	STANDARDS	FM FREQ. RANGE (MHZ)
Half-duplex communications. Up to 8 programmable FM channels. Up to 45 meters (150 ft). FM Radio enable/disable option: Allows user to listen to commercial FM radio stations.				1	8.02	AS/NZS 4268	88.1 – 107.9
				2	0.048	EN301357-1	88.1 – 107.9
				3	0.012	FCC-15.239 & IC	88.1 – 97.0