

SmartGroup: Industrial Tours and Training Headsets

Sensear's SmartGroup products are an industry-leading solution for companies who conduct facility, factory, and plant tours or training sessions in noisy environments. Sensear's patented SENS® Technology enhances speech and suppresses background noise so users can communicate face-to-face safely and effectively in noisy environments. SmartGroup is a completely customizable build-your-own solution to meet your needs. Select the number of Leader headsets and the number of Student headsets for your needs. It's also highly recommended to purchase a programming tablet for further customization capabilities.

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



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)
Short-Range	Up to 8 Programmable FM Channels, up to 45 m
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 in Action

Headset Styles - Leader (Talk Only) / Student (Listen Only) / Talk and Listen

 <p>SM1PBT02 / SM1PBS02 / SM1PBSG02 HEADBAND 27dB NRR / 33dB SNR / 31dB, Class 5 SLC80</p>	 <p>SM1PET02 / SM1PES02 / SM1PESG02 BEHIND-THE-NECK 24dB NRR / 30dB SNR / 27dB, Class 5 SLC80</p>	 <p>SM1PHT02 / SM1PHS02 / SM1PHSG02 HELMET MOUNT 23dB NRR / 31dB SNR / 26dB, Class 5 SLC80</p>
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Technical Specifications

GENERAL	MOUNTING TYPE	PART NUMBERS (LEADER / STUDENT / TALK & LISTEN)	WEIGHT	IP RATING	OPERATING TEMPERATURE
	Headband (HB)	SM1PBT02 / SM1PBS02 / SM1PBSG02	495 g (17.46 oz.)	IP54	-20°C to +60°C (-4°F to 140°F)
	Behind-the-Neck (BTN)	SM1PET02 / SM1PES02 / SM1PESG02	428 g (15.09 oz.)	IP54	-20°C to +60°C (-4°F to 140°F)
	Helmet Mount (HM)	SM1PHT02 / SM1PHS02 / SM1PHSG02	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	31dB

POWER	BATTERY TYPE	BATTERY CAPACITY	OPERATING TIME	CHARGE TIME	CHARGING TEMPERATURE
	Rechargeable Li-ion Polymer	2650 mAh	24 hours	7 hours	0°C to +40°C (32°F to 104°F)

COMMUNICATION	FACE-TO-FACE SENS® MODE	VOICE TRANSMISSION (TEACHER HEADSET ONLY)
	SENS® voice pickup limit of 95 dB(A)	Noise-canceling boom microphone. Normal PTT mode - Headset transmits normally when PTT is pushed and stops transmitting when PTT is released (enabled with programming tablet). Transmit only mode (default) - Headset transmits only and will not receive audio Latching PTT mode - Headset transmits when PTT is pushed and will continuously transmit until PTT is pushed again (enabled with programming tablet).

SHORT-RANGE	REGION	EIRP (UW)	STANDARDS	FM FREQ. RANGE (MHZ)
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

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