

SmartGroup

A Smart Solution for High Noise Tours and Training

• Communication • Awareness • Protection •

Sensear's Smart Group products are an industry leading solution for companies who carry out facility, factory and plant tours and training in noisy environments. The tour guide and participants will benefit from the face-to-face and short range (headset-to-headset) communication capabilities as well as protecting their hearing at the same time. This is achieved through Sensear's industry-leading SENS® Technology that enhances speech and suppresses background noise so users can communicate safely and effectively in noisy environments.



Speech Enhancement
Noise Suppression



360°
Situational
Awareness



Electronic
Volume
Limiter



Protects
Hearing



Face-to-Face
Communication

Teachers and Students



FEATURES AND BENEFITS

- SENS® Technology - remain aware of surrounding noises and hazards
- Enhances speech while suppressing background noise to a safe level
- Limit 'in-ear' exposure to 82 dB(A)
- Face-to-face communication
- Noise-canceling boom microphone on Teacher headset
- Short-Range communication (Teacher only) - Normal PTT / Transmit (TX) only (default mode) / Latching PTT
- Upgraded 24-hour battery life for use in multiple shifts
- Available in Headband, Behind-the-Neck, and Helmet Mount style
- Up to 27dB NRR / 33dB SNR / 31dB, Class 5 SLC80

Styles



Type	Part #
Teacher Talk-Only HB	SM1PBT02
Student Listen-Only HB	SM1PBS02
Teacher Talk/Listen HB	SM1PB002 + SRCK617002
Student Talk/Listen HB	SM1PB002

Type	Part #
Teacher Talk-Only HB	SM1PET02
Student Listen-Only HB	SM1PES02
Teacher Talk/Listen HB	SM1PE002 + SRCK617002
Student Talk/Listen HB	SM1PE002

Type	Part #
Teacher Talk-Only HB	SM1PHT02
Student Listen-Only HB	SM1PHS02
Teacher Talk/Listen HB	SM1PH002 + SRCK617002
Student Talk/Listen HB	SM1PH002

Technical Specifications

General

Mounting Type	Headband (HB)	Behind-the-Neck	Helmet Mount (HM)
Teacher Talk-Only Part #	SM1PBT02	SM1PET02	SM1PHT02
Student Listen-Only Part #	SM1PBS02	SM1PES02	SM1PHS02
Teacher Talk/Listen Part #	SM1PB002 + SRCK617002	SM1PE002 + SRCK617002	SM1PH002 + SRCK617002
Student Talk/Listen Part #	SM1PB002	SM1PE002	SM1PH002
Weight (per headset)	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		
Region	Australia / NZ	USA / Canada	Europe
Standard	AS/NZS 1270	ANSI S3.19	EN352-1/EN352-3
Result	SLC80	NRR	SNR
HB	31dB, Class 5	27dB	33dB
BTN	27dB, Class 5	24dB	30dB
HM	26dB, Class 5	23dB	31dB

Power

Battery type	Rechargeable - lithium polymer
Battery capacity	2650 mAh
Operating time	24 hours
Charge time	7 hours
Charging temperature	0°C to +40°C (32°F to 104°F)

Communication

Face-to-Face SENS®	SENS® voice pickup limit of 95 dB(A)
Voice Transmission (Teacher headset only)	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 (TX) 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
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 R55210	88.1 – 97.0

Your Local Dealer

Magnum Electronics, Inc.
927 Horsepond Rd,
Dover, DE 19901
302-734-9250

Sensear Pty Ltd
4 Hehir Street
Belmont, WA, 6104
Australia
Toll-Free: 1-300-859-120

Sensear Inc.
150 South Washington St
Suite C
Carpentersville, IL 60110
United States
Toll-Free: 1-888-973-6732

Noise is Everywhere



SITE TOURS



ON THE JOB TRAINING



WORK GROUPS



OUTDOOR TEAMS

Sensear
||| SAFETY THAT SPEAKS VOLUMES

SENS
TECHNOLOGY by Sensear

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