

Technical datasheet

SECURE 2H ACTIVE, 47002-001

SECURE 2C ACTIVE, 47102-001



DESCRIPTION

ACTIVE allows you to communicate with your colleagues, hear warning signals and other important information while protected from hazardous noise. The Level Dependent microphones provides perfect directional hearing and the electronic protection system limits all sounds to a safe sound level.

Ergonomic design, replaceable headband and ear cushions contribute to high comfort and increased wear time. For optimal safety communication radios can be connected via the external audio input.

- Advanced speaker holder with bass chamber for a great listening experience.
- Slim profile design for increased stability and reduces the risk of snagging in confined areas.
- Ergonomically placed rubber coated knobs offers good grip even when wearing gloves



APPLICATIONS

ACTIVE can be used for a variety of applications. The main purpose of the Level Dependent functions is to protect against impulsive or intermittent hazardous noise whilst allowing situational awareness.

TECHNICAL DATA

Batteries	2 x 1,5 V AA (minimum 800 hours of use)
Weight	Headband 372g, Cap mounted 402g
Sound reproduction	Stereo
Approved to European standards	EN 352-1,3,4,6
Approved to North American standards	ANSI S3.19-1974

ATTENUATION DATA

SECURE 2H ACTIVE, EN 352-1:2002, H-34, M-27, L-20, SNR 30

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Att.	21,0	18,4	21,1	27,7	36,9	36,1	42,1	38,8
Std. dev	6,3	4,5	4,2	3,5	4,0	3,6	3,5	5,4
APV	17,7	13,9	16,9	24,2	32,9	32,5	38,6	33,4

SECURE 2H ACTIVE, ANSI S3.19-1974, NRR 24, CSA A

Frequency Hz	125	250	500	1000	2000	3150	4000	6300	8000
Mean Att.	19.9	21.8	27.7	35.4	36.9	39.3	43.1	43.2	42.1
Std. dev	4.1	2.5	2.8	4.1	3.9	4.6	4.6	3.1	3.1

SECURE 2C ACTIVE, EN 352-3:2002, H-33, M-26, L-19, SNR 29

Frequency Hz	63	125	250	500	1000	2000	4000	8000
Mean Att.	17,8	16,3	19,5	26,9	34,3	33,8	41,8	37,4
Std. dev	4,2	4,0	3,2	3,1	4,0	2,9	3,3	3,8
APV	13,6	12,3	16,3	23,8	30,3	30,9	38,5	33,6

SECURE 2C ACTIVE, ANSI S3.19-1974, NRR 23, CSA A

Frequency Hz	125	250	500	1000	2000	3150	4000	6300	8000
Mean Att.	17.4	19.5	27.3	32.6	34.0	36.6	39.3	42.5	40.1
Std. dev	3.5	2.4	3.1	3.5	2.7	3.5	3.4	4.1	4.7

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MATERIAL DATA

Part	Material
1 Headband	POM
2. Helmet arm	POM
3. Slot adaptor	PA 66
4. Earcups	ABS
5. Ear cushion	Polyeter & PVC-foil
6 Headband cushion	Polyether & Lycra
7. Foam liner	Polyether
8. Knobs	ABS & TPE



ORDER INFORMATION

Part no	Description
47002-001	SECURE 2H ACTIVE
47102-001	SECURE 2C ACTIVE

ACCESSORIES

Part	Description
99403	SECURE hygiene kit electronics
99900	FRESH sweat absorber
20902-001	SECURE SAFE1 carrier
20901-001	SAFE2 standard carrier
20901-010	SAFE2 standard low peak carrier
20901-501	SAFE2 flex carrier
20901-510	SAFE2 flex low peak carrier



MAINTENANCE

Hearing protectors should be inspected prior to use for damage or deterioration. Damaged or worn parts should be replaced prior to use. The noise reduction will only be obtained if the earmuffs are in good order and worn as directed. Ear muffs, and in particular cushions, may deteriorate with use and should be examined at frequent intervals for cracking and leakage. Hygiene kit/cushions should be replaced twice a year or when the cushion show signs of damage or hardening.

For better comfort there are sweat absorbers that absorbs sweat and moisture. Remember that use of absorbers over the ear cushions can reduce the hearing protector's noise attenuation properties.

WARNING

The reported attenuation will be obtained only if the protector is in good condition and worn as directed.

The sound attenuation of hearing protectors in the field may differ from from that obtained in laboratory testing due to incorrect fitting. Noise reduction will be also be adversely affected by anything that impairs the seal of the earmuff cushions against the head, such as thick spectacle frames, balaclavas etc.

The protection must always be used in noisy environments. A hearing protection with an attenuation of 30dB will only give you a protective effect of 12dB if removed 30 minutes during an 8 hour working day.