

Sordin left/RIGHT FM Pro

Electronic hearing protector with medium-level attenuation

Headband version | Helmet version



DESCRIPTION

Sordin left/RIGHT FM Pro is a hearing protector with medium-level noise attenuation. It is designed for professional use and equipped with anatomically shaped sealing rings and built-in FM radio. It has excellent radio reception and superior sound quality. The product is available in headband or helmet version.

As part of the renowned Sordin left/RIGHT family, the product comes with several ergonomic features that are unique to the brand. Sordin left/RIGHT FM Pro is suitable for medium-noise environments, where users are subjected to a noise level of appr. 90–110 dB(A), including oil, gas and petrochemical plants, forestry and agriculture.

AVAILABLE IN



KEY FEATURES

Attenuation level	Medium – for noise level 90–110 dB(A)
Headband	Tilted at an angle for a comfortable fit.
Oversized cups	Large ear space for all users.
Cup design	Mirrored left- and right-hand cup designs.
FM Radio	Automatic tuning function, volume adjustment using three easy-to-use push buttons.
Battery save function	No risk of unintentional battery discharging.
Connectivity	AUX input for connection to an external mobile device.

MATERIALS

Cups	ABS
Headband	POM
Cushions	PU + PVC
Helmet spring, Screw	Steel
Height adj. Brushings, Spring cover	TPE
Headband Fork, Helmet Fork, Helmet Attachment, Spring Bracket	PA (Polyamide)
Attenuation foam	PE (Polyether)

TECHNICAL INFORMATION

Batteries	2 x 1.5 V AAA/LR03, estimated operating time is around 400 hours
Loudspeakers / loudspeaker response	2 x 32 Ohm / 20 Hz – 20 KHz
Operating conditions	-20°C to +55°C
Weight headband / helmet version	326 / 352 gram
Complies with following environmental directives	RoHS, WEEE
IP class	IP 44

A SORDINCARE PRODUCT

The Sordin left/RIGHT family is covered by the SordinCARE concept. SordinCARE is a new way of looking at workplace health, safety and productivity at work. We help organizations explore the opportunities provided by individually selected hearing protectors. We offer a wide product range designed for professional use, along with customer support ranging from noise measurement to tailoring communication solutions for mobile workteams. Let us help you take care of your people.



EN APPROVAL

Tests and certificates

Tested and certified to EN 352-1:2002, EN 352-3:2002, EN 352-4/A1:2005 and EN 352-8:2008
 IEC 62368-1 (EN 62368-1+A11), IEC 62133-2:2017 and 2014/53/EU Radio Equipment Directive RED
 Certificate: CE 737872 (headband and helmet versions).
 Notified body: BSI Netherlands (NB 2797)



ATTENUATION DATA

Sordin left/RIGHT FM Pro headband

H	M	L	SNR	NRR
31 dB	24 dB	15 dB	27 dB	n/a



Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	13.8	10.5	16.4	25.4	32.8	30.5	39.6	37.7
Standard Deviation, s_f (dB)	3.7	2.6	2.5	2.5	1.8	2.3	2.3	3.0
APV ($M_f - s_f$) (dB)	10.1	7.9	13.9	22.9	31.0	28.2	37.3	34.7

Sordin left/RIGHT FM Pro helmet

H	M	L	SNR	NRR
31 dB	24 dB	16 dB	27 dB	n/a



Frequency (Hz)	63	125	250	500	1000	2000	4000	8000
Mean attenuation, M_f (dB)	11.7	12.9	16.7	24.7	31.8	30.8	40.1	35.1
Standard Deviation, s_f (dB)	3.1	2.7	2.1	3.3	2.4	2.4	2.5	3.1
APV ($M_f - s_f$) (dB)	8.6	10.2	14.6	21.4	29.4	28.4	37.6	32.0

Approved helmet combinations

For supported helmet combinations please visit www.sordin.com/leftright

Earmuff Sizes

Model	Approved sizes
Headband version	S, M, L
Helmet version	S, M, L

NOTICE! Sizes refer to approved standard head sizes according to applicable standards. Each hearing protector model is available in one size only.

Weighted diffuse field related sound pressure level

Mean plus one standard deviation A-weighted diffuse-field related sound pressure level (dB(A))	Signal level (mVrms) Headband/Helmet
70	24.0
75	42.3
80	74.6
82	95.0
85	131.4
90	237.1
95	436.5

ORDERING INFORMATION

Sordin left/RIGHT FM Pro

Product no	Version	Color	Ring
50000-04-S	Sordin left/RIGHT FM Pro headband	Black	Foam
50500-04-S-01	Sordin left/RIGHT FM Pro helmet - adapter 1	Black	Foam
50500-04-S-02	Sordin left/RIGHT FM Pro helmet - adapter 2	Black	Foam
50500-04-S-14	Sordin left/RIGHT FM Pro helmet - adapter 14	Black	Foam
50500-04-S-20	Sordin left/RIGHT FM Pro helmet - adapter 20	Black	Foam

What adapter do you need for your helmets. See latest list on www.sordin.com/leftright

Accessories

Product no	Version
60096-S	Hygiene kit Sordin left/RIGHT electrical – 1 pair of foam rings, 1 pair of inserts