

Hearing protection with AM/FM radio and external sound input



TuneUp lets you enjoy your favorite radio station while still protected from hazardous noise

A high quality AM/FM radio with AFC (Automatic Frequency Control) and rubber coated adjustment knobs provide quick and easy tuning to your favorite radio station, even when wearing gloves. Any sound reproduced through the speakers are limited to a safe level by the EPS-system (Electronic Protection System). For optimal convenience, mp3 players, com-radios etc. can be connected via the external sound input. Ergonomic design, replacable soft cushions and easy size adjustments contribute to high comfort and increased wear time.



New & improved technology with Automatic Frequency Control

SLIM DESIGN

Reduced risk of snagging in confined areas

EASY SIZE ADJUSTMENT

Smooth telescopic size adjustment for perfect stability

AM/FM RADIO

Latest generation radio circuit with AFC (Automatic Frequency Control) provide a clear radio signal without interference, even in poor reception areas

SOFT, COMFORTABLE EAR AND HEADBAND CUSHIONS

Easily replaced for extended product life, wearer comfort and hygiene

NON-CONDUCTIVE CONSTRUCTION

Strong and durable impact resistant plastic

EPS (Electronic Protection System)

Any sound reproduced through the speakers are limited to a safe level

EXTERNAL 3,5MM STEREO SOUND INPUT

Easy connection to mp3 players, com-radios etc. Connection cable included



Features & Benefits

- Protect your hearing and listen to radio at the same time
- Advanced technology for improved safety
- EPS (Electronic Protection System)
- High quality AM/FM stereo radio
- AFC (Automatic Frequency Control)
- Sealed off compartments for the electronic circuit boards - completely safe from dust, sweat and moisture
- External 3,5mm stereo sound input - connection cable included, ready to use
- Low power consumption - 2 AA batteries (included) gives up to 300 hours use
- Rubber coated knobs for quick and easy operation
- Soft and comfortable ear and headband cushions - easy to replace hygiene kit
- Smooth telescopic size adjustment for perfect stability and individually tailored fit
- Available as Headband or Helmet mounted
- Easily combined with Hellbergs "SAFE - face protection system"

Technical data

Batteries	2 x 1.5 V AA (up to 300 hours of use)
Weight - Headband	380g
Weight - Helmet mount	380g
Sound reproduction	Stereo
Max. input level (3,5mm AUX)	RMS-voltage U = 81,0 mV
Sound level limit (EPS)	max. 82dB
Frequency range	FM: 88-108 MHz AM: 540-1700 kHz
Tested in compliance with	EN 352-1, 352-3, 352-6, 352-8 ANSI S3. 19-1974

Material data

Headband	POM
Helmet arm	POM
Spring housing	POM 10% gf & steel spring
Slot adaptor	PA 66 10% gf
Earcups	ABS
Ear cushion	Polyether & PVC-foil
Headband cushion	Polyether & lycra
Foam liner (sound absorber)	Polyether
Knobs	ABS & TPE
Grummets	TPE

Models

Product	Description
17501-001	TuneUp - Headband
17550-001	TuneUp - Helmet mount

Accessories & Spare parts

Product	Description
17900-001	Hygiene kit
99000-001	2 ear cushions, 2 foam liners Fresh - sweat absorber 10 pairs sweat absorbing textile rings
Face protection	See "SAFE - face protection system" at www.hellbergsafety.com

TESTED TO EN 352-1:2002

ATTENUATION DATA - HEADBAND											H-34 M-28 L-19 SNR-31	
Freq. Hz	63	125	250	500	1000	2000	3150	4000	6300	8000		
Mean att.	15,7	14,3	22,1	31,5	36,2	34,6	40,1	40,8	41,4	40,4		
St.dev.	3,7	3,0	2,7	2,6	3,5	3,6	3,7	3,5	3,2	4,0		
APV	12,0	11,3	19,4	28,9	32,7	31,0	36,4	37,3	38,2	36,4		

TESTED TO EN 352-3:2002

ATTENUATION DATA - HELMET MOUNT											H-33 M-24 L-15 SNR-27	
Freq. Hz	63	125	250	500	1000	2000	3150	4000	6300	8000		
Mean att.	10,7	10,8	15,4	28,1	34,9	33,0	40,6	40,6	42,6	39,7		
St.dev.	3,5	2,4	2,8	3,4	2,5	2,7	3,7	3,2	2,6	3,9		
APV	7,2	8,4	12,6	24,7	32,4	30,3	36,9	37,4	40,0	35,8		

Finnish Institute of Occupational Health. Notified Body No. 0403. Topeliuksenkatu 41 a, FI-00250 Helsinki