

RELAX



HEARING PROTECTION WITH AM/FM RADIO

Relax protects your hearing while you enjoy listening to your favourite radio station or connect to a communication radio, mobile phones etc. Easy to reach controls let you manually tune the AM/FM radio accurately. Combined with the automatic frequency control you will lock on to your favourite station for the best reception available even in low signal areas.

Any sound reproduced through the speakers are limited to a safe level by the EPS (Electronic Protection System). Ergonomic design, replaceable headband and ear cushions encourage regular replacement for a long lasting and high performing product.

MANUAL TUNING AND AUTOMATIC FREQUENCY CONTROL

Easy to tune accurately and locks onto the desired radio station

ERGONOMICALLY PLACED RUBBER COATED KNOBS

Easy to reach and offers good grip even when wearing gloves

UNIQUE SPEAKER DESIGN

Advanced speaker holder with bass chamber for a great listening experience

ELECTRONIC PROTECTION SYSTEM

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

SLIM PROFILE DESIGN

Increased stability and reduces risk of snagging in confined areas



APPLICATIONS

Relax can be used for a variety of applications. The AM/FM radio is suitable particularly for monotonous and stationary work tasks in noisy areas. The purpose of the radio is to increase motivation and efficiency.

TECHNICAL DATA

Batteries	2 x 1,5 V AA (minimum 130 hours of use)
Weight	Headband 377g, Cap mounted 407g
Sound reproduction	Stereo
Max level on electrical audio input	263 mV
Sound level limit (EPS)	max. 82dB
Radio frequency range	FM: 88-108 MHz, AM: 540-1700 KHz

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

ORDER INFORMATION

45002-001	Relax Headband
45102-001	Relax Cap mounted

ATTENUATION DATA

RELAX Headband, EN 352-1:2002, Weight 377g, PZT GmbH Notified Body: 1974												
Frequency Hz	63	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Attenuation	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	34	27	20	30
APV	14,7	13,9	16,9	24,2	32,9	32,5	38,6	33,4				

RELAX Cap mounted, EN 352-3:2002, Weight 407g, PZT GmbH Notified Body: 1974												
Frequency Hz	63	125	250	500	1000	2000	4000	8000	H	M	L	SNR
Mean Attenuation	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	33	26	19	29
APV	13,6	12,3	16,3	23,8	30,3	30,9	38,5	33,6				


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