

# ACTIVE



## HEARING PROTECTION WITH LEVEL DEPENDENT SYSTEM

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 EPS (Electronic Protection System) limits all sounds to a safe sound level. Ergonomic design, replaceable headband and ear cushions encourage regular replacement for a long lasting and high performing product. For optimal safety communication radios can be connected via the external sound input as well as MP3 players and other common devices.

### LEVEL DEPENDENT MICROPHONES

Flush mounted microphones in each earcup ensure excellent directional hearing and spatial awareness

### 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

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
Max level on electrical audio input	263 mV
Sound level limit (EPS)	max. 82dB
Amplification	max. 8 dB (primarily in freq. range 500-3k Hz - human speech area)

## 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

47002-001	Active Headband
47102-001	Active Cap mounted

## ATTENUATION DATA

ACTIVE Headband, EN 352-1:2002, Weight 372g, 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				

ACTIVE Cap mounted, EN 352-3:2002, Weight 402g, 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				

