



XTM XP P8

Data Sheet

XTM XP P8 · Technical Data

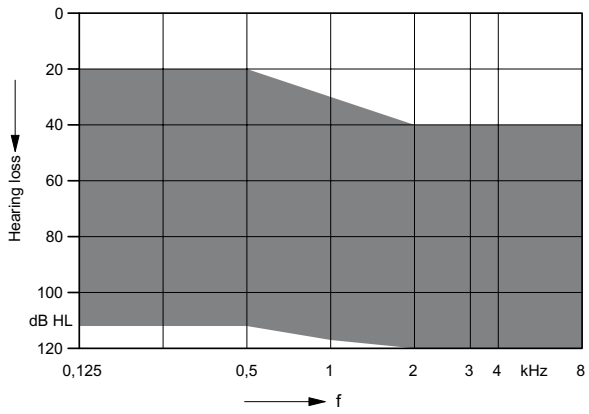
Type

Earhook undamped



	2 ccm coupler	Ear simulator
Output sound pressure level		
at 1.6 kHz	–	136 dB SPL
Peak	140 dB SPL	144 dB SPL
HFA-OSPL 90	130 dB SPL	–
Gain		
Full on gain (FOG) at 1.6 kHz	–	78 dB
Full on gain (Peak)	82 dB	85 dB
HFA-FOG	72 dB	–
Reference test gain	53 dB	62 dB
Frequency, noise and directivity		
Frequency range	100-5000 Hz	100-5100 Hz
Equivalent input noise	18 dB SPL	18 dB SPL
Total harmonic distortion at 500 / 800 / 1600 Hz	2 / 1 / 2 %	4 / 2 / 2 %
AI-DI	3.7 dB	
Inductive coil sensitivity		
MASL (1 mA/m) at 1.6 kHz	–	108 dB
HFA MASL (1 mA/m)	100 dB	–
HFA SPLITS (left/right)	111 / 111 dB	–
RSETS (left/right)	-2 / -2 dB	–
AGC-O (fully activated)		
Attack / release Time	3/90ms	
Battery		
Battery voltage	1.3 V	
Battery current drain	2.1 mA	
Battery life (cell zinc air)	~180 h	
Battery life (rechargeable)	–	
IRIL IEC 118-13:2011 (bystander)		
800-960 MHz	<-33 dB SPL	
1400-2000 MHz	<-7 dB SPL	
ANSI C63.19	M3 / T3	

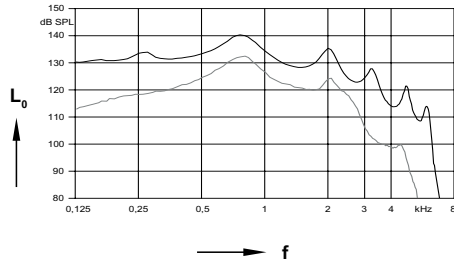
XTM XP P8 · Fitting Range



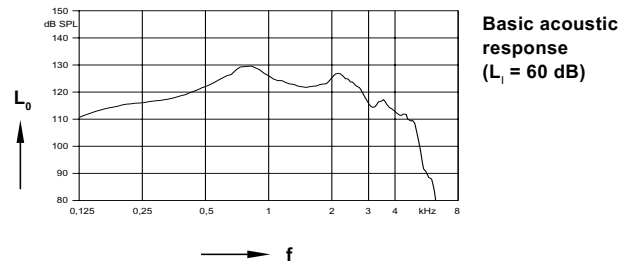
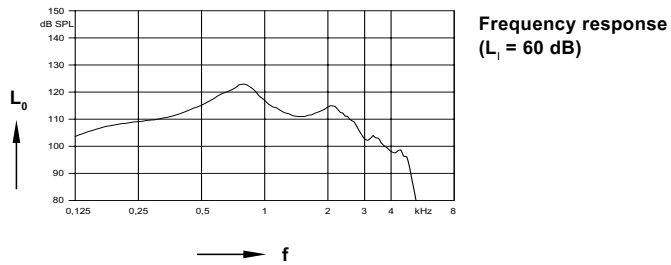
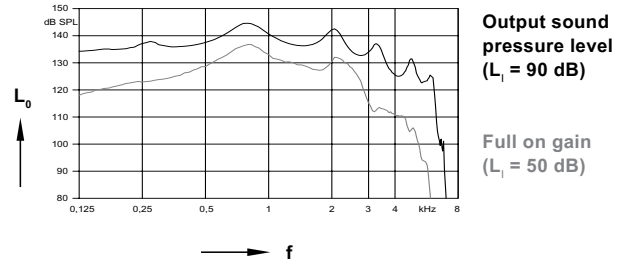
Earhook undamped

XTM XP P8 (Earhook undamped) · Basic Data

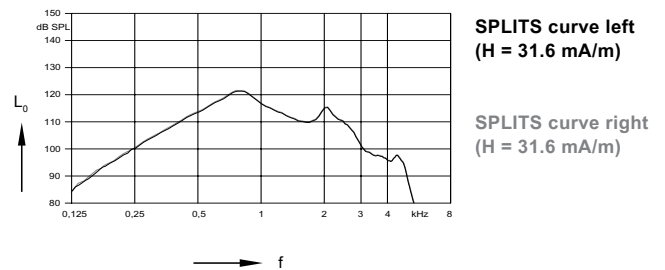
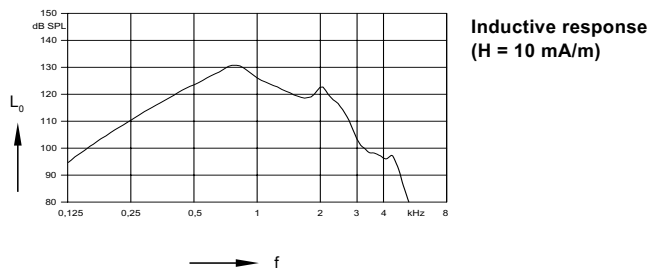
2 ccm coupler



Ear simulator



Inductive response



XTM XP P8 · Features and Accessories

Essential Facts	
Signal processing (channels) / Gain/MPO (handles)	16 / 8
Hearing programs (pre-configured sound profiles)	4
Wireless Sync ¹⁾	●
Volume and control coupling ¹⁾	●
Speech	
Voice Ranger	●
Automatic Directional Microphone	●
Fixed Directional Microphone	●
Bandwidth Compression	●
Feedback Preventer	●
Automatic Optimization	
Smart Automatic Acclimatization	●
Automatic Classifier	●
Data Logging	●
Sound Quality And Comfort	
Noise Management	●

¹⁾ Bilateral fitting required

● available ○ optional – not available

XTM XP P8 · Features and Accessories

Style Specific Features	
Secure Tec protection	IP67
Telecoil	●
Battery Size	675
Battery door on/off function	●
Nanocoated housing	●
Audio streaming with Smart Connect	●
Instrument Configurations	
Rocker switch / flat cover	● / ○
Push button	●
Battery door - direct audio input	○
Battery door - child lock	○
Small earhook	○
Programming Accessories	
Programming adapter / pill	CS44
ConnexxAir, ConnexxLink	●
Accessories	
Smart Connect	○
Smart Remote	○
Smart Key	○
Smart Transmitter (req. Smart Connect)	○
Transmitter (req. Smart Connect)	○
Speech Connect (req. Smart Connect)	○
App	
Smart Connect App (req. Smart Connect)	○
Smart Remote App	○

● available ○ optional – not available

XTM XP P8

Abbreviations and Standards

Abbreviations

The following abbreviations are used in this datasheet:

OSPL	Output Sound Pressure Level
HFA	High Frequency Average
FOG	Full-On Gain
MASL	Magneto Acoustical Sensitivity Level
SPLITS	Coupler SPL for an Inductive Telephone Simulator
RSETS	Relative Equivalent Telephone Sensitivity
AI-DI	Articulation Index - Directivity Index
IRIL	Input Related Interference Level
RTF	Reference Test Frequency

Standards

- ▶ All measurements with the 2 ccm coupler were performed according to ANSI S3.22-2009 and IEC 60118-7:2005 if applicable.
- ▶ All measurements with an ear simulator were performed according to IEC 118-0/A1 and to DIN 45605 (frequency range) if applicable.
- ▶ The following ear pieces were used:
 - Earhook

The information in this document contains general descriptions of the technical options available, which do not always have to be present in individual cases and are subject to change without prior notice.

The required features should therefore be specified in each individual case at the time of conclusion of the respective contract.

WARNING

Instrument has an output sound pressure level of 132 dB SPL or more. Risk of impairing the residual hearing of the user.

- ▶ Take special care when fitting this instrument.

Only for instruments with child-lock battery door:

WARNING

Choking hazard posed by small parts.

- ▶ Infants, children under 3 years and persons of mental incapacity must not wear the hearing instrument without appropriate supervision.
- ▶ Acoustic coupling tube and earpiece must not be detachable by the child.
- ▶ The diameter of the earpiece is recommended to be in the range of 32 mm and may enclose the outer ear.
- ▶ Demonstrate and explain the battery door locking mechanism to the child's parents or caretaker.

Only for instruments with standard battery door:

WARNING

Choking hazard posed by small parts.

- ▶ This instrument is not intended for the fitting of infants, children under 3 years or persons of mental incapacity.