



# **XTM XP P12**

Data Sheet

# XTM XP P12 · Technical Data

Type

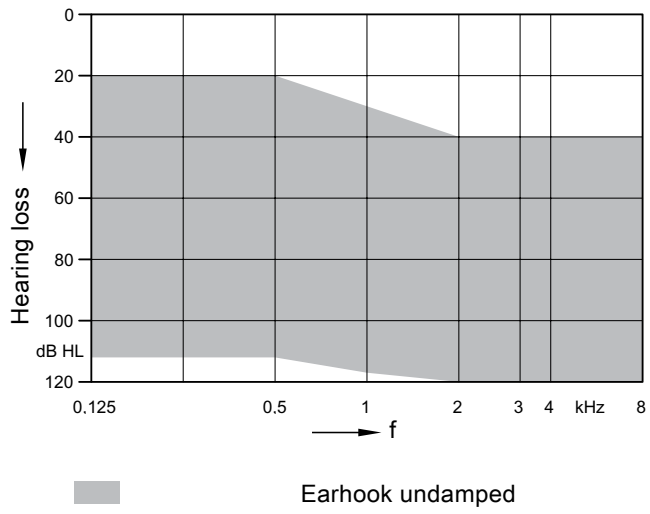
Earhook undamped



	2 ccm coupler	Ear simulator
<b>Output sound pressure level</b>		
OSPL 90 at 1.6 kHz	–	136 dB SPL
OSPL 90 (Peak)	140 dB SPL	144 dB SPL
HFA-OSPL 90	130 dB SPL	–
<b>Gain</b>		
Full-on-gain (FOG) at 1.6 kHz	–	78 dB
FOG (Peak)	82 dB	85 dB
HFA-FOG	72 dB	–
Reference test gain	53 dB	62 dB
<b>Frequency, noise and directivity</b>		
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 %
Broadband Tinnitus Function	94 dB SPL	–
AI-DI	3.7 dB	
<b>Inductive coil sensitivity</b>		
MASL (1 mA/m) at 1.6 kHz	–	108 dB SPL
HFA MASL (1 mA/m)	100 dB SPL	–
HFA SPLITS (left/right)	111 / 111 dB SPL	–
RSETS (left/right)	-2 / -2 dB	–
<b>AGC-O (fully activated)</b>		
Attack / release Time	3/90 ms	
<b>Battery</b>		
Battery voltage	1.3 V	
Battery current drain	2.1 mA	
Battery runtime (cell zinc air)	~ 180 h	
Battery runtime (rechargeable)	–	
<b>IRIL IEC 118-13:2011 (bystander)</b>		
800-960 MHz	< -33 dB SPL	
1400-2000 MHz	< -7 dB SPL	
ANSI C63.19	M3 / T3	

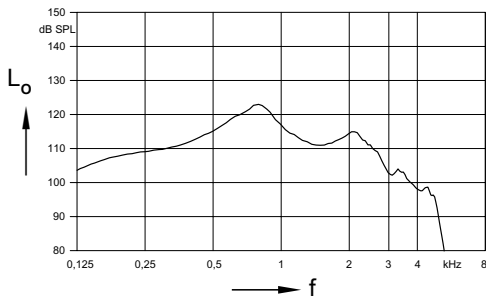
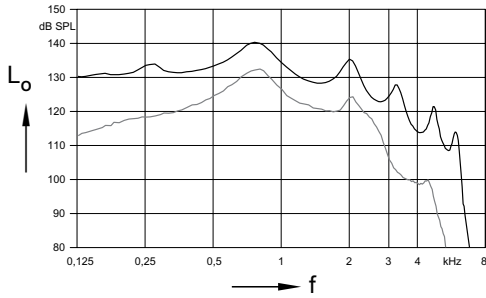
Please find additional information to the values on page "Further information".

# XTM XP P12 · Fitting Range

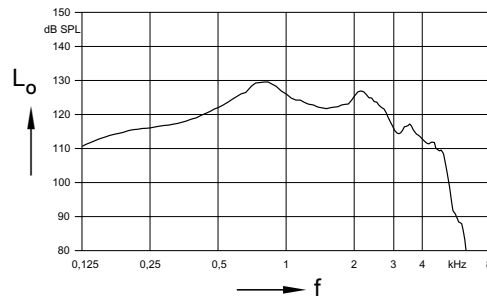
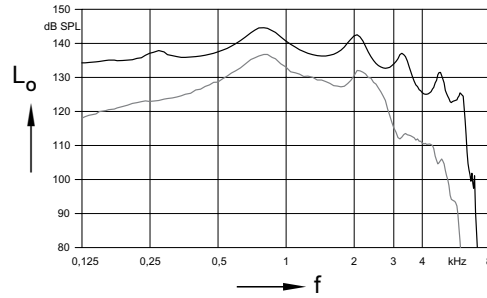


# Earhook undamped · Basic Data

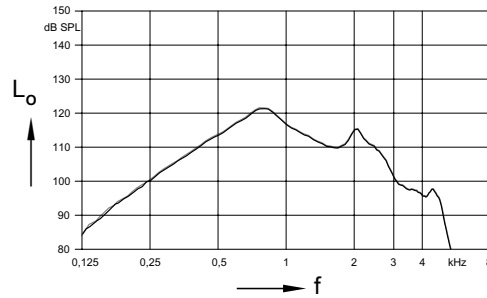
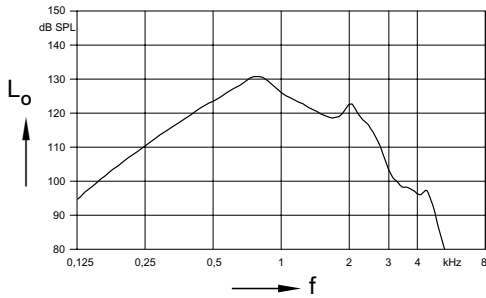
## 2 ccm coupler



## Ear simulator



## Inductive response



# XTM XP P12 · Features and Accessories

## XTM Platform

Signal processing (channels) / Gain/MPO (handles)	24 / 12
Hearing programs	6
Wireless Sync <sup>1)</sup>	P
Volume and control coupling <sup>1)</sup>	P

## XTM Speech

Directional iLock <sup>1)</sup>	S
Voice Ranger	P
XPhone <sup>1)</sup>	P
Multichannel Directional Adaptive Microphone	P
Automatic Directional Microphone	P
Directional Fixed Microphone	P
Bandwidth Compression	P
Feedback Preventer	P

## XTM Sound Quality And Comfort

Music Enhancer	H
Sound Locator	P
Sound Smoothing	H
Wind Noise Cancellation	S
Tinnitus Function <sup>2)</sup>	H
Noise Management	P

## XTM Automatic Optimization

Smart Automatic Equalizer	H
Smart Automatic Acclimatization	H
Automatic Classifier	P
Data Logging	P

<sup>1)</sup> Bilateral fitting required

<sup>2)</sup> Country-dependent

Performance levels:

P = Premium   H = High   S = Standard   B = Basic

# XTM XP P12 · Features and Accessories

## Style Specific Features

SecureTec protection	IP67
Telecoil	●
Autophone	●
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 / cable	CS44
ConnexxAir, ConnexxLink	●

## Accessories

Smart Connect	○
Wireless CROS RIC	○
Smart Remote	○
Smart Key	○
Smart Transmitter (requires Smart Connect)	○

## App

Smart Connect App (requires Smart Connect)	○
myRemote App	○

● available    — not available    ○ optional

# XTM XP P12 · Further information

## Abbreviations


The following abbreviations are used in this datasheet:

SPL	Sound Pressure Level
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 and additional information

- ▶ 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.
- ▶ Tinnitus function measurement conditions: all tinnitus single frequency sliders in max position, master volume slider in default position (0 dB) and local volume control in default position.
- ▶ The following acoustic connections / 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.

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0123

Order No. 04720-99T02-7600  
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Subject to change  
without prior notice

 **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.