





# **XTM P P12**

Data Sheet

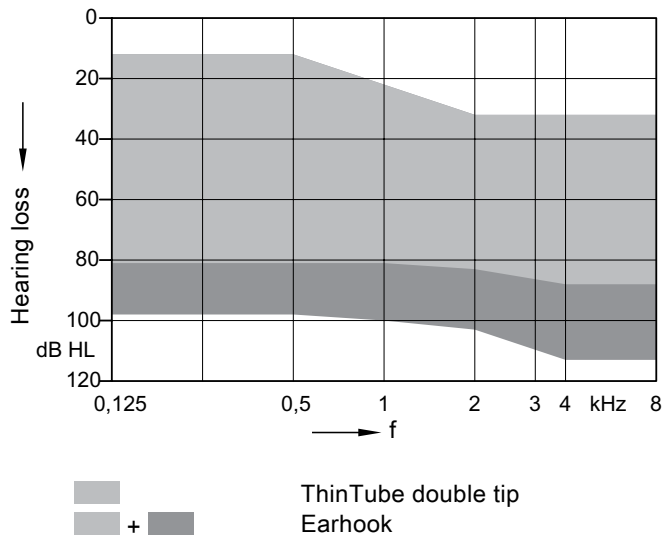
# XTM P P12 · Technical Data

Type	Earhook damped		Earhook undamped		ThinTube	
						
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
<b>Output sound pressure level</b>						
OSPL 90 at 1.6 kHz	–	135 dB SPL*	–	137 dB SPL	–	123 dB SPL
OSPL 90 (Peak)	131 dB SPL	137 dB SPL	135 dB SPL	139 dB SPL	129 dB SPL	132 dB SPL
HFA-OSPL 90	128 dB SPL	–	130 dB SPL	–	117 dB SPL	–
<b>Gain</b>						
Full-on-gain (FOG) at 1.6 kHz	–	74 dB*	–	78 dB	–	58 dB
FOG (Peak)	70 dB	77 dB	77 dB	81 dB	65 dB	68 dB
HFA-FOG	66 dB	–	71 dB	–	53 dB	–
Reference test gain	51 dB	60 dB*	53 dB	62 dB	40 dB	48 dB
<b>Frequency, noise and directivity</b>						
Frequency range	100 - 7000 Hz	170 - 7400 Hz	100 - 6000 Hz	170 - 6500 Hz	100 - 5500 Hz	100 - 6000 Hz
Equivalent input noise	16 dB SPL	15 dB SPL	18 dB SPL	14 dB SPL	22 dB SPL	19 dB SPL
Total harmonic distortion at 500 / 800 / 1600 Hz	4 / 3 / 1 %	3 / 3 / 3 %	4 / 3 / 1 %	6 / 4 / 2 %	2 / 2 / 1 %	1 / 1 / 2 %
Broadband Tinnitus Function	80 dB SPL	–	80 dB SPL	–	80 dB SPL	–
AI-DI	4.0 dB		4.0 dB		4.0 dB	
<b>Inductive coil sensitivity</b>						
MASL (1 mA/m) at 1.6 kHz	–	104 dB SPL*	–	108 dB SPL	–	89 dB SPL
HFA MASL (1 mA/m)	96 dB SPL	–	101 dB SPL	–	82 dB SPL	–
HFA SPLITS (left/right)	110 / 110 dB SPL	–	111 / 111 dB SPL	–	99 / 99 dB SPL	–
RSETS (left/right)	-1 / -1 dB	–	-2 / -2 dB	–	-1 / -1 dB	–
<b>Battery</b>						
Battery voltage	1.3 V		1.3 V		1.3 V	
Battery current drain	1.0 mA	1.2 mA	1.6 mA	1.2 mA	1.2 mA	1.2 mA
Battery runtime (cell zinc air)	~ 220 h	~ 185 h	~ 140 h	~ 185 h	~ 185 h	~ 185 h
Battery runtime (rechargeable)	–		–		–	
<b>IRIL IEC 118-13:2011 (bystander)</b>						
800-960 MHz	< -43 dB SPL		< -43 dB SPL		< -43 dB SPL	
1400-2000 MHz	< -43 dB SPL		< -43 dB SPL		< -43 dB SPL	
ANSI C63.19	M3 / T4		M3 / T4		M3 / T4	

\* measured at 2.5 kHz RTF

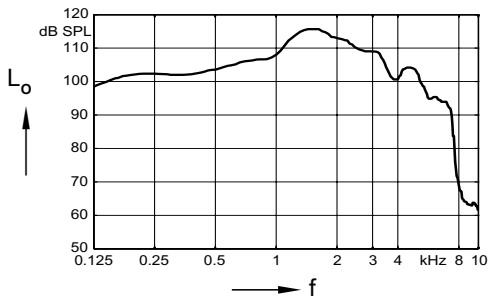
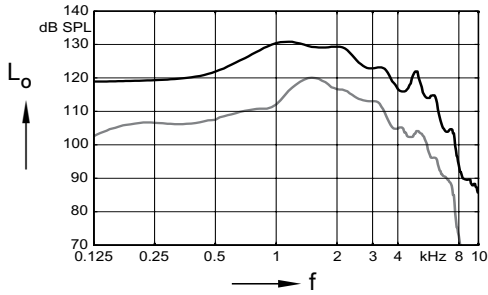
Please find additional information to the values on page "Further information".

# XTM P P12 · Fitting Range

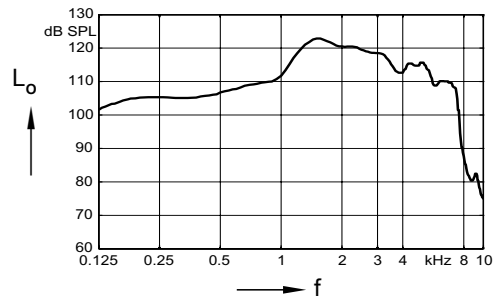
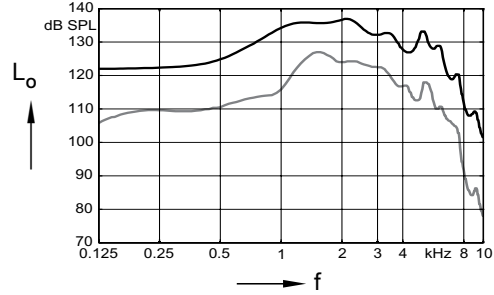


# Earhook damped · Basic Data

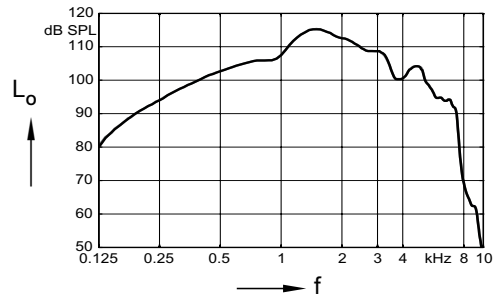
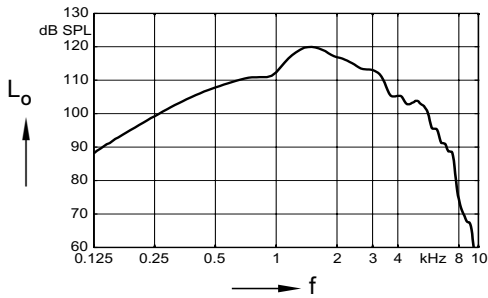
## 2 ccm coupler



## Ear simulator

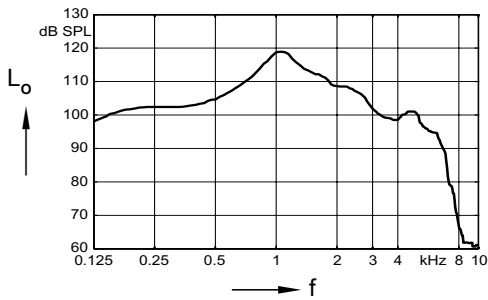
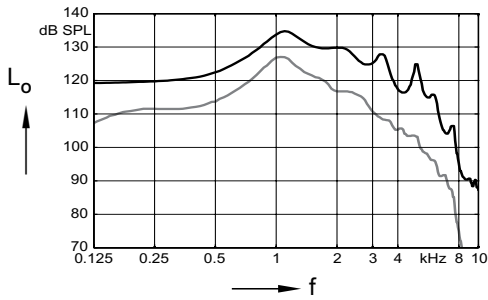


## Inductive response

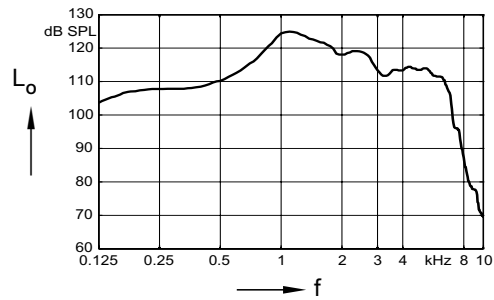
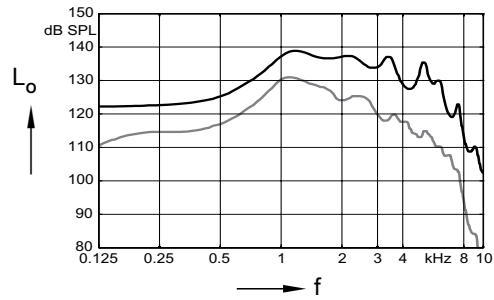


# Earhook undamped · Basic Data

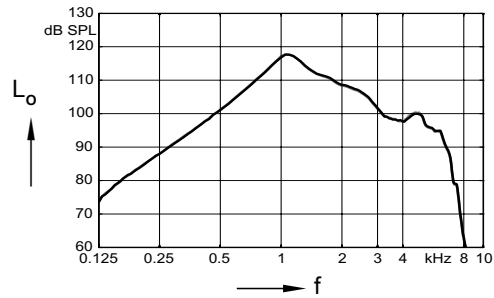
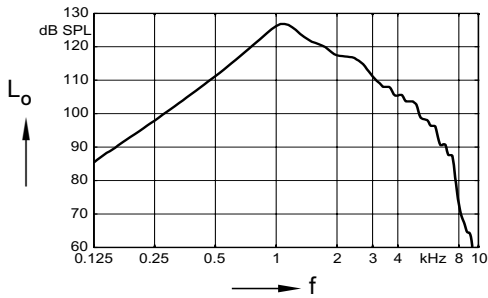
## 2 ccm coupler



## Ear simulator

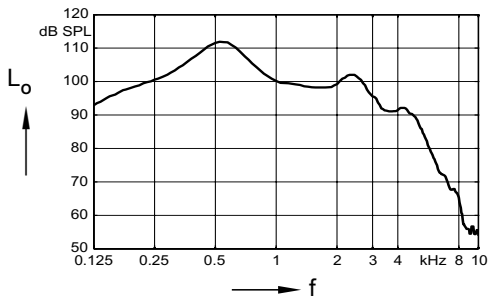
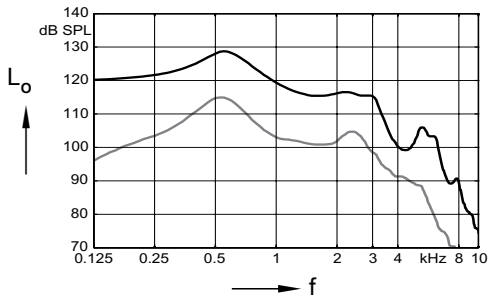


## Inductive response

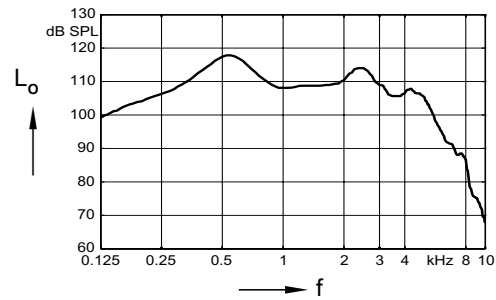
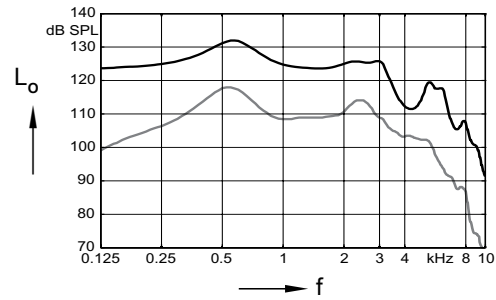


# ThinTube · Basic Data

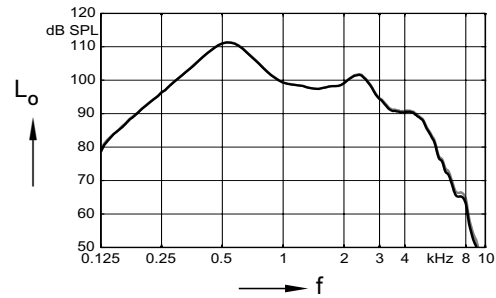
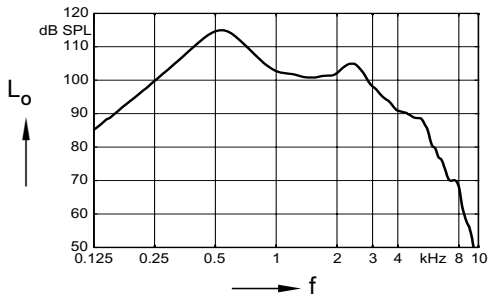
## 2 ccm coupler



## Ear simulator



## Inductive response



# XTM P 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 P P12 · Features and Accessories

Style Specific Features	
SecureTec protection	IP67
Telecoil	●
Autophone	●
Battery Size	13
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	size 13
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 P 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
    - ThinTube
-

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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Subject to change  
without prior notice

 **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.

 **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.