





# **XTM M P12**

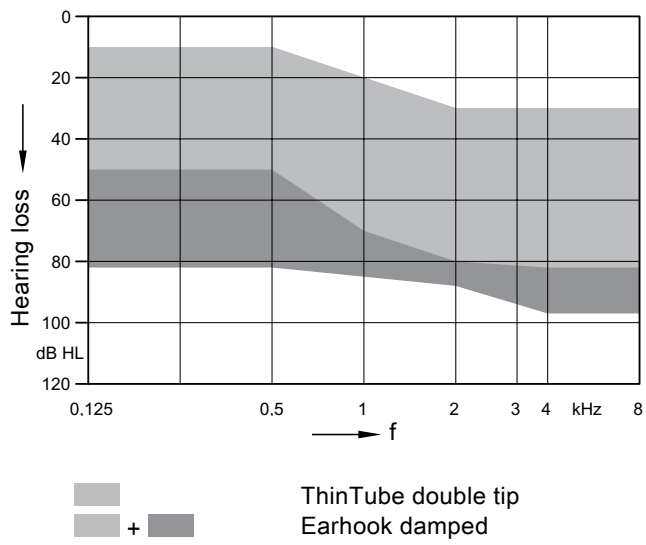
Data Sheet

# XTM M P12 · Technical Data

Type	Earhook damped		ThinTube	
				
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level				
OSPL 90 at 1.6 kHz	–	135 dB SPL	–	121 dB SPL
OSPL 90 (Peak)	130 dB SPL	138 dB SPL	126 dB SPL	130 dB SPL
HFA-OSPL 90	127 dB SPL	–	116 dB SPL	–
Gain				
Full-on-gain (FOG) at 1.6 kHz	–	59 dB	–	54 dB
FOG (Peak)	60 dB	68 dB	53 dB	61 dB
HFA-FOG	53 dB	–	47 dB	–
Reference test gain	50 dB	52 dB	39 dB	46 dB
Frequency, noise and directivity				
Frequency range	110 - 7700 Hz	620 - 8100 Hz	100 - 8100 Hz	100 - 8100 Hz
Equivalent input noise	16 dB SPL	16 dB SPL	18 dB SPL	18 dB SPL
Total harmonic distortion at 500 / 800 / 1600 Hz	2 / 2 / 1 %	2 / 2 / 1 %	1 / 1 / 2 %	1 / 1 / 2 %
Broadband Tinnitus Function	70 dB SPL	–	70 dB SPL	–
AI-DI	4.0 dB		4.0 dB	
Inductive coil sensitivity				
MASL (1 mA/m) at 1.6 kHz	–	85 dB SPL	–	76 dB SPL
HFA MASL (1 mA/m)	80 dB SPL	–	69 dB SPL	–
HFA SPLITS (left/right)	109 / 109 dB SPL	–	98 / 98 dB SPL	–
RSETS (left/right)	-1 / -1 dB	–	-1 / -1 dB	–
Battery				
Battery voltage	1.3 V		1.3 V	
Battery current drain	1.0 mA		1.1 mA	
Battery runtime (cell zinc air)	~ 220 h		~ 200 h	
Battery runtime (rechargeable)	–		–	
IRIL IEC 118-13:2011 (bystander)				
800-960 MHz	< -43 dB SPL		< -43 dB SPL	
1400-2000 MHz	< -45 dB SPL		< -45 dB SPL	
ANSI C63.19	M4 / T4		M4 / T4	

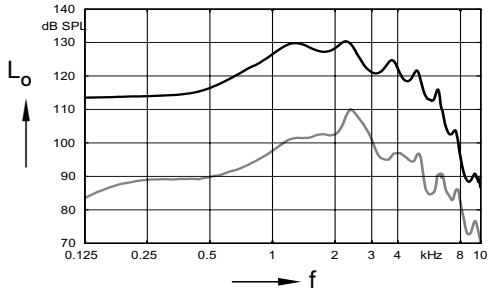
Please find additional information to the values on page “Further information”.

# XTM M P12 · Fitting Range



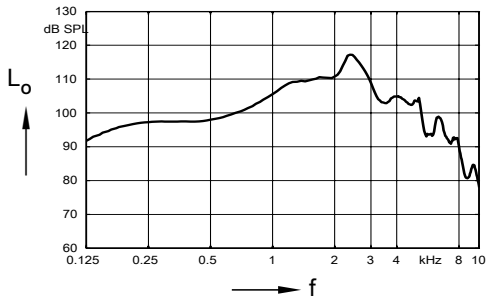
# Earhook damped · Basic Data

## 2 ccm coupler



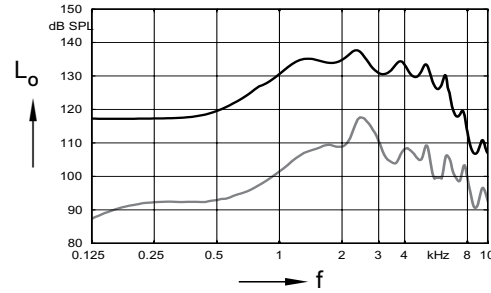
**Max. Output sound pressure level**  
( $L_i = 90$  dB)

**Full on gain**  
( $L_i = 50$  dB)



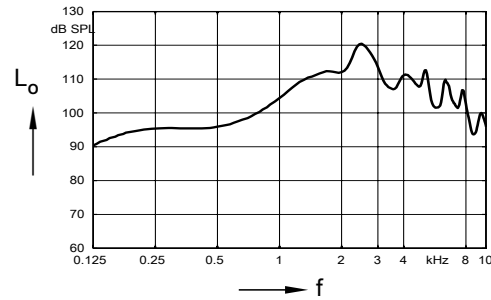
**Frequency response**  
( $L_i = 60$  dB)

## Ear simulator



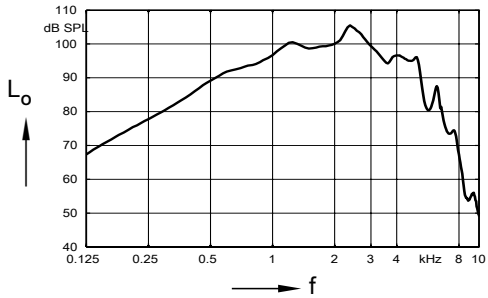
**Max. Output sound pressure level**  
( $L_i = 90$  dB)

**Full on gain**  
( $L_i = 50$  dB)

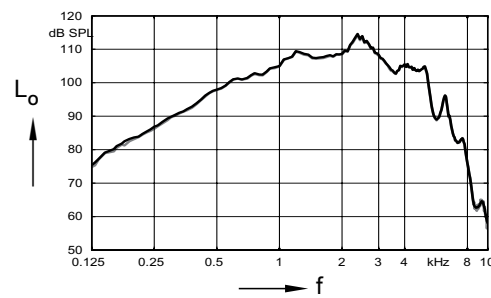


**Basic acoustic response**  
( $L_i = 60$  dB)

## Inductive response



**Inductive response**  
( $H = 10$  mA/m)

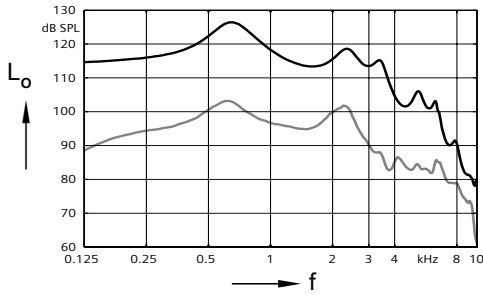


**SPLITS curve left**  
( $H = 31.6$  mA/m)

**SPLITS curve right**  
( $H = 31.6$  mA/m)

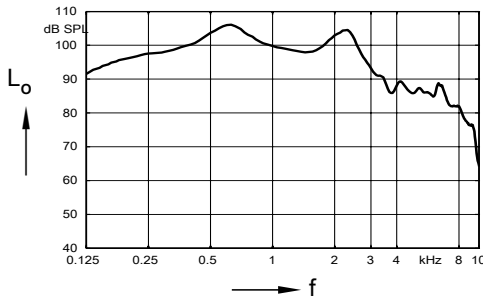
# ThinTube · Basic Data

## 2 ccm coupler



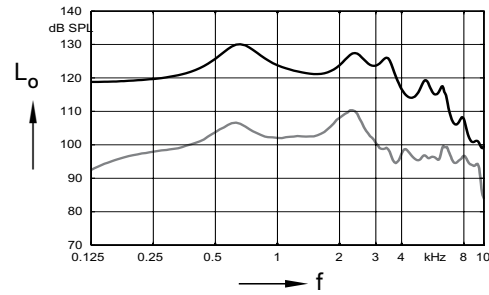
**Max. Output sound pressure level**  
( $L_i = 90$  dB)

**Full on gain**  
( $L_i = 50$  dB)



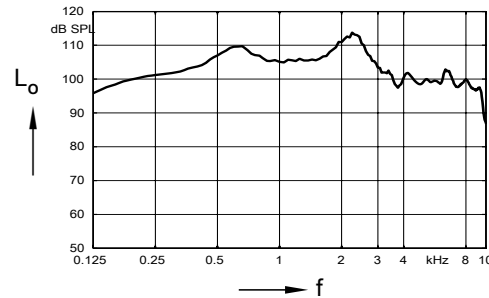
**Frequency response**  
( $L_i = 60$  dB)

## Ear simulator



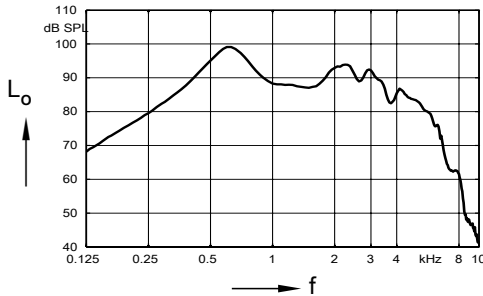
**Max. Output sound pressure level**  
( $L_i = 90$  dB)

**Full on gain**  
( $L_i = 50$  dB)

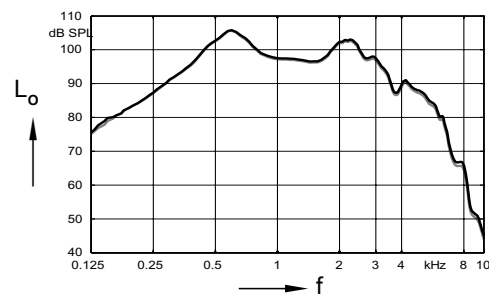


**Basic acoustic response**  
( $L_i = 60$  dB)

## Inductive response



**Inductive response**  
( $H = 10$  mA/m)



**SPLITs curve left**  
( $H = 31.6$  mA/m)

**SPLITs curve right**  
( $H = 31.6$  mA/m)

# XTM M 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 M 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 M 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.

 **Legal Manufacturer**  
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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.