







XTM RIC P8

Data Sheet

XTM RIC P8 · Technical Data

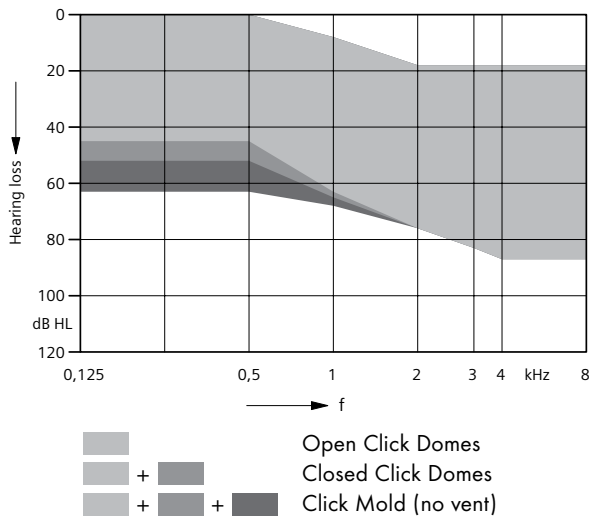
Type	S-Receiver		M-Receiver	
				
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level				
at 1.6 kHz	–	109 dB SPL	–	122 dB SPL
Peak	108 dB SPL	119 dB SPL	119 dB SPL	129 dB SPL
HFA-OSPL 90	102 dB SPL	–	114 dB SPL	–
Gain				
Full on gain (FOG) at 1.6 kHz	–	43 dB	–	55 dB
Full on gain (Peak)	45 dB	56 dB	60 dB	70 dB
HFA-FOG	37 dB	–	50 dB	–
Reference test gain	25 dB	34 dB	37 dB	47 dB
Frequency, noise and directivity				
Frequency range	100 - 8200 Hz	100 - 8300 Hz	100 - 8200 Hz	100 - 8300 Hz
Equivalent input noise	18 dB SPL	22 dB SPL	19 dB SPL	23 dB SPL
Total harmonic distortion at 500 / 800 / 1600 Hz	1 / 1 / 1 %	1 / 1 / 2 %	1 / 1 / 2 %	1 / 3 / 3 %
AI-DI	3.8 dB		3.8 dB	
Inductive coil sensitivity				
MASL (1 mA/m) at 1.6 kHz	–	75 dB SPL	–	85 dB SPL
HFA MASL (1 mA/m)	68 dB SPL	–	80 dB SPL	–
HFA SPLITS (left/right)	84 / 84 dB SPL	–	96 / 96 dB SPL	–
RSETS (left/right)	-1 / -1 dB SPL	–	-1 / -1 dB SPL	–
Battery				
Battery voltage	1.3 V		1.3 V	
Battery current drain	0.9 mA		1.0 mA	
Battery life (cell zinc air)	~130 h		~120 h	
Battery life (rechargeable)	–		–	
IRIL IEC 118-13:2011 (bystander)				
800-960 MHz	<-6 dB SPL		<-6 dB SPL	
1400-2000 MHz	<-24 dB SPL		<-24 dB SPL	
ANSI C63.19	M4 / T4		M4 / T4	

XTM RIC P8 · Technical Data

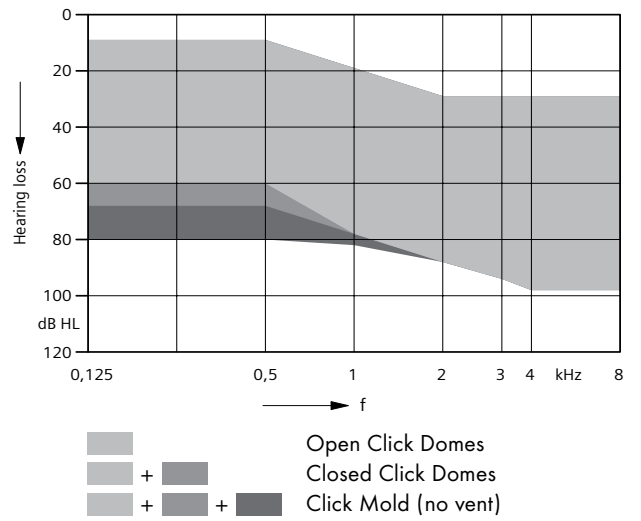
Type	P-Receiver		HP-Receiver	
				
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator
Output sound pressure level				
at 1.6 kHz	–	128 dB SPL	–	137 dB SPL
Peak	124 dB SPL	134 dB SPL	130 dB SPL	138 dB SPL
HFA-OSPL 90	120 dB SPL	–	124 dB SPL	–
Gain				
Full on gain (FOG) at 1.6 kHz	–	70 dB	–	82 dB
Full on gain (Peak)	70 dB	80 dB	75 dB	82 dB
HFA-FOG	63 dB	–	68 dB	–
Reference test gain	43 dB	53 dB	48 dB	62 dB
Frequency, noise and directivity				
Frequency range	100 - 7800 Hz	100 - 7800 Hz	100 - 7400 Hz	250 - 5200 Hz
Equivalent input noise	18 dB SPL	21 dB SPL	18 dB SPL	12 dB SPL
Total harmonic distortion at 500 / 800 / 1600 Hz	2 / 2 / 1 %	3 / 3 / 2 %	1 / 2 / 1 %	1 / 1 / 1 %
AI-DI	3.8 dB		3.8 dB	
Inductive coil sensitivity				
MASL (1 mA/m) at 1.6 kHz	–	100 dB SPL	–	114 dB SPL
HFA MASL (1 mA/m)	91 dB SPL	–	99 dB SPL	–
HFA SPLITS (left/right)	102 / 102 dB SPL	–	107 / 107 dB SPL	–
RSETS (left/right)	-1 / -1 dB SPL	–	-1 / -1 dB SPL	–
Battery				
Battery voltage	1.3 V		1.3 V	
Battery current drain	1.0 mA		1.1 mA	
Battery life (cell zinc air)	~120 h		~110 h	
Battery life (rechargeable)	–		–	
IRIL IEC 118-13:2011 (bystander)				
800-960 MHz	<-6 dB SPL		<-6 dB SPL	
1400-2000 MHz	<-24 dB SPL		<-24 dB SPL	
ANSI C63.19	M4 / T4		M4 / T4	

XTM RIC P8 · Fitting Range

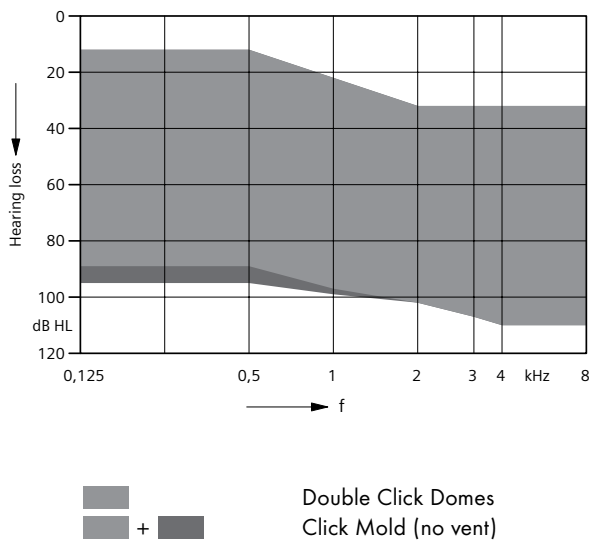
S-Receiver



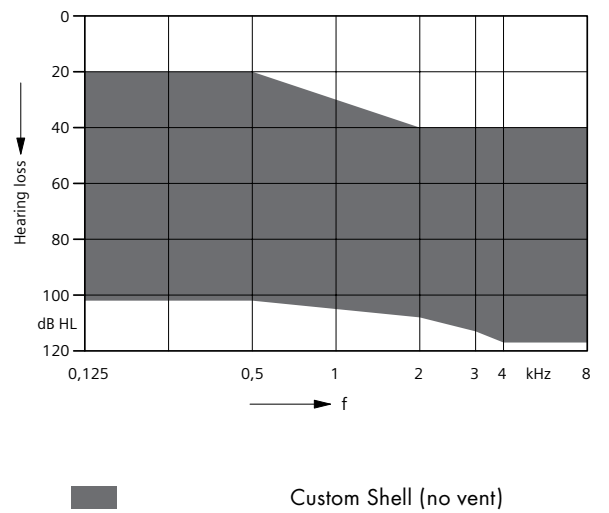
M-Receiver



P-Receiver

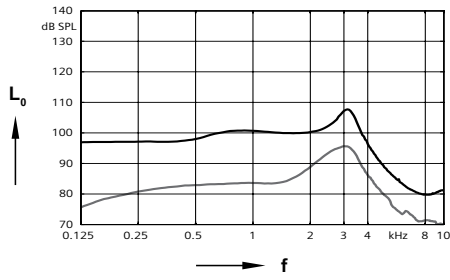


HP-Receiver



S-Receiver (Closed Click Dome) · Basic Data

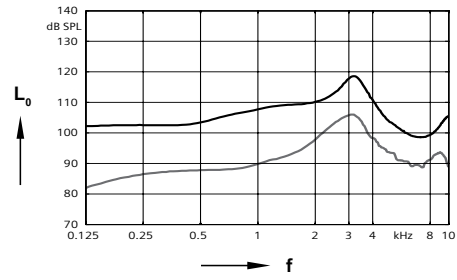
2 ccm coupler



Output sound pressure level
($L_1 = 90$ dB)

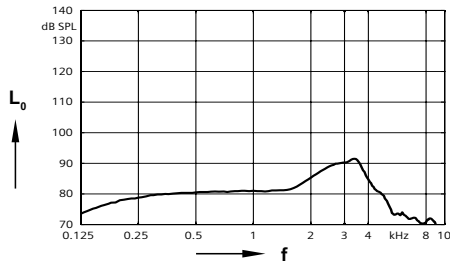
Full on gain
($L_1 = 50$ dB)

Ear simulator

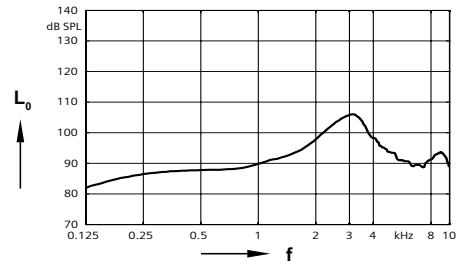


Output sound pressure level
($L_1 = 90$ dB)

Full on gain
($L_1 = 50$ dB)

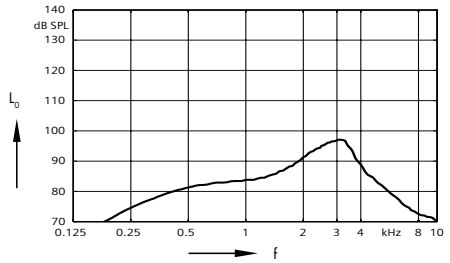


Frequency response
($L_1 = 60$ dB)

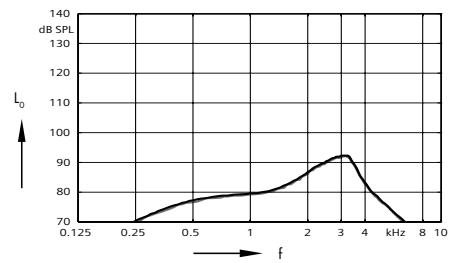


Basic acoustic response
($L_1 = 60$ dB)

Inductive response



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

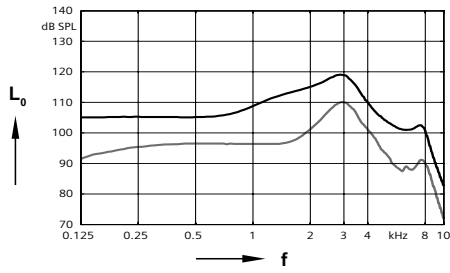


SPLITS curve left
($H = 31.6$ mA/m)

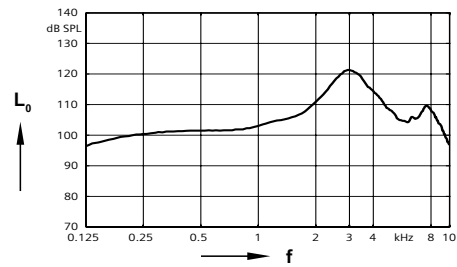
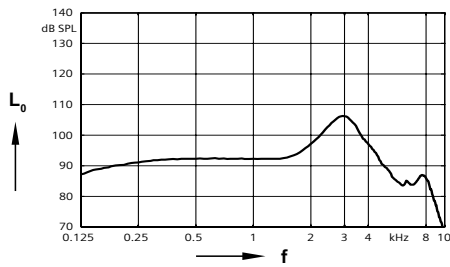
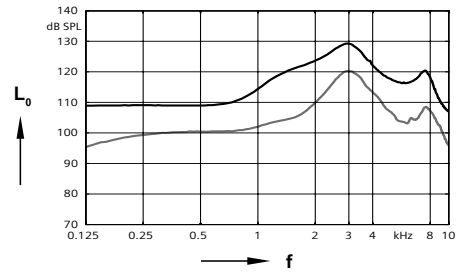
SPLITS curve right
($H = 31.6$ mA/m)

M-Receiver (Closed Click Dome) · Basic Data

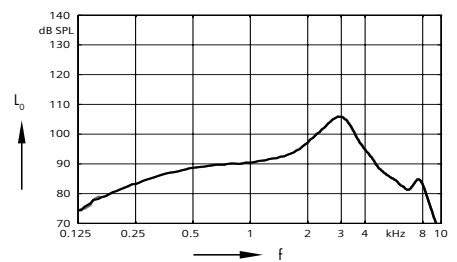
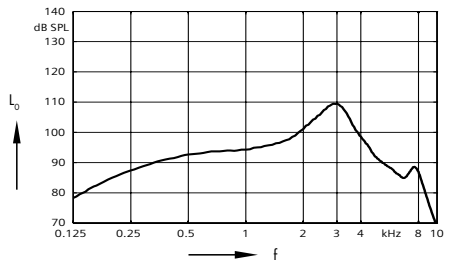
2 ccm coupler



Ear simulator

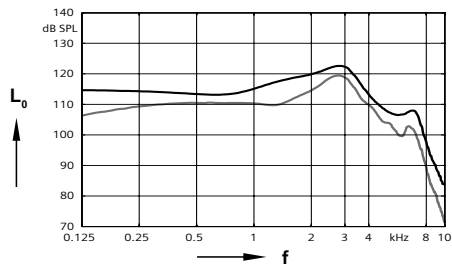


Inductive response



P-Receiver (Click mold) · Basic Data

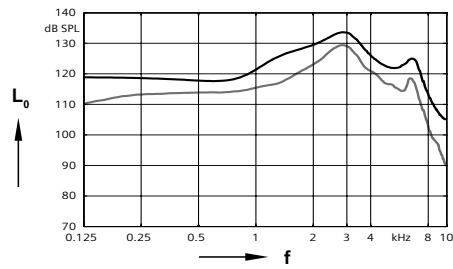
2 ccm coupler



Output sound pressure level
($L_1 = 90$ dB)

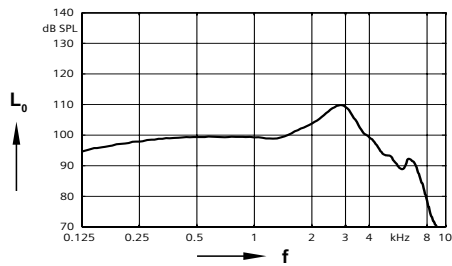
Full on gain
($L_1 = 50$ dB)

Ear simulator

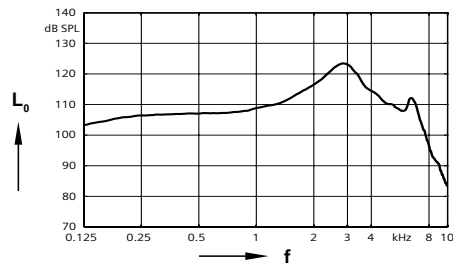


Output sound pressure level
($L_1 = 90$ dB)

Full on gain
($L_1 = 50$ dB)

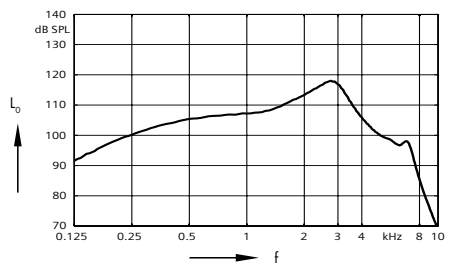


Frequency response
($L_1 = 60$ dB)

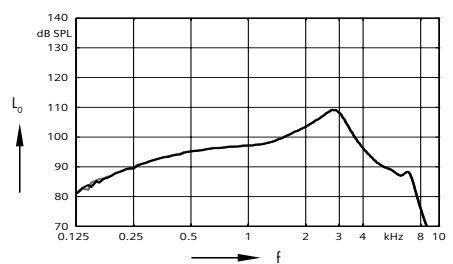


Basic acoustic response
($L_1 = 60$ dB)

Inductive response



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

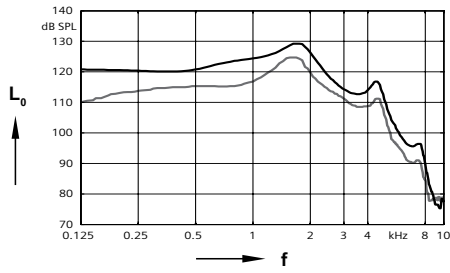


SPLITS curve left
($H = 31.6$ mA/m)

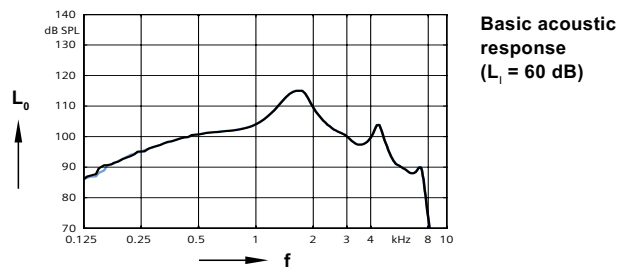
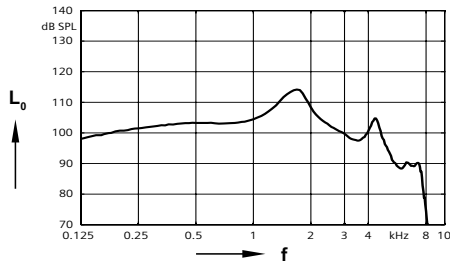
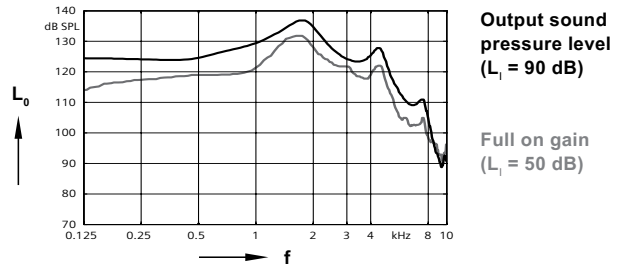
SPLITS curve right
($H = 31.6$ mA/m)

HP-Receiver (Custom Shell) · Basic Data

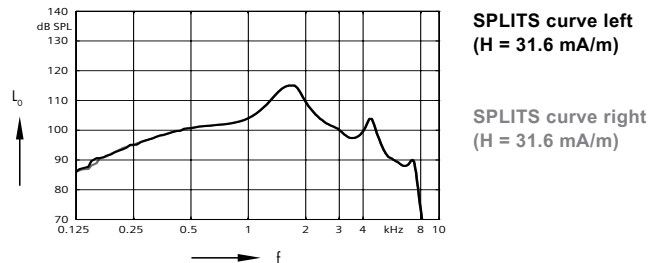
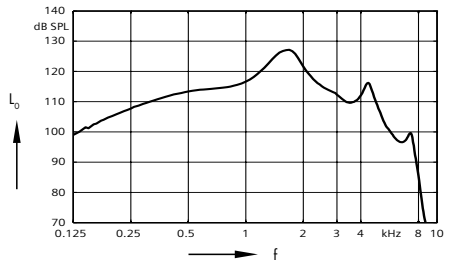
2 ccm coupler



Ear simulator



Inductive response



XTM RIC P8 · Features and Accessories

Essential Facts	
Signal processing (channels) / Gain/MPO (handles)	16 / 8
Hearing programs	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 RIC P8 · Features and Accessories

Style Specific Features	
Secure Tec protection	IP67
Telecoil	●
Battery Size	312
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	size 312
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 RIC 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:
 - S-Receiver Unit and M-Receiver Unit: Closed Click Dome
 - P-Receiver Unit: Click Mold
 - HP-Receiver Unit: Custom Shell

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

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.