TruHearing®

TH Premium IF 19

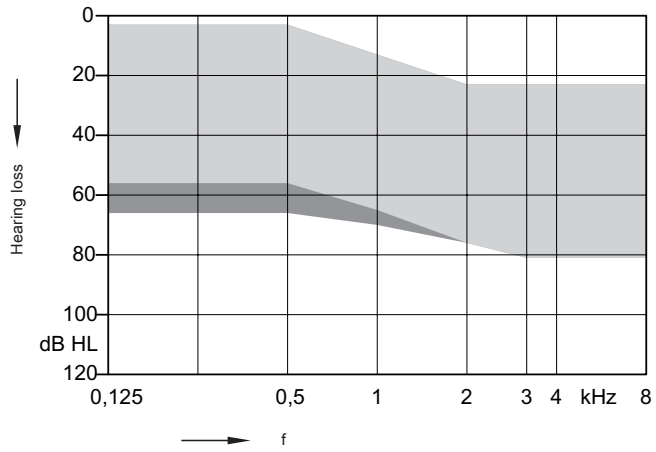
Technical Data

- 60 dB / 125 dB SPL (ear simulator)
- 50 dB / 113 dB SPL (2 ccm coupler)

TH Premium IF 19 | Technical Data

Output sound pressure level	2 ccm coupler	Ear simulator
at 1.6 kHz	–	117 dB SPL
Peak	113 dB SPL	125 dB SPL
HFA-OSPL 90	109 dB SPL	–
Gain		
Full on gain (FOG) at 1.6 kHz	–	53 dB
Full on gain (Peak)	50 dB	60 dB
HFA-FOG	46 dB	–
Reference test gain	33 dB	42 dB
Frequency, noise and directivity		
Frequency range	100-7800 Hz	100-8700 Hz
Equivalent input noise	18 dB SPL	18 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	2 / 2 / 2 / 1 %	4 / 5 / 5 / – %
Tinnitus therapy broadband	70 dB SPL	–
AI-DI	–	
Inductive coil sensitivity		
MASL (1 mA/m) at 1.6 kHz	–	–
HFA MASL (1 mA/m)	–	–
HFA SPLITS (left/right)	–	–
RSETS (left/right)	–	–
Battery		
Battery voltage	1.3 V	
Battery current drain	1.1 mA	
Battery life (cell zinc air)	~60 h	
Battery life (rechargeable)	–	
IRIL IEC 60118-13:2016 Ed. 4.0		
700-960 MHz (rating)	user	
1400-2000 MHz (rating)	user	
2000-2700 MHz (rating)	user	
ANSI C63.19-2011		
800-950 MHz (rating)	M4	
1600-2500 MHz (rating)	M4	

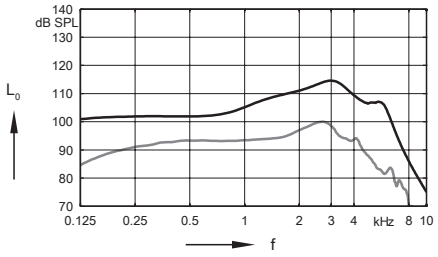
TH Premium IF 19 | Fitting Range



Vented Click Sleeve
\+
Closed Click Sleeve

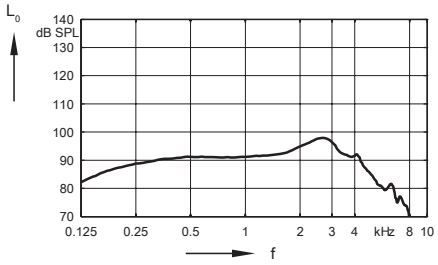
TH Premium IF 19 | Basic Data

2 ccm coupler



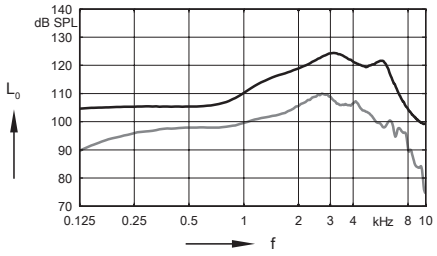
Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



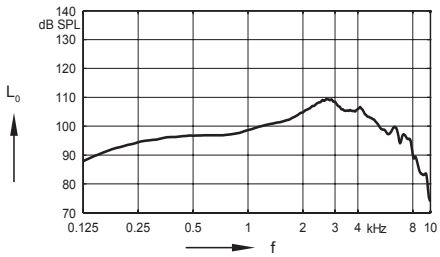
Frequency response (L_I = 60 dB)

Ear simulator



Output sound pressure level (L_I = 90 dB)

Full on gain (L_I = 50 dB)



Basic acoustic response (L_I = 60 dB)

TH Premium IF 19 | Features and Accessories

Audiology	
Own Voice Processing (OVP) [1]	—
3D Classifier	—
Signal processing (channels) / Gain/MPO (handles)	48 / 20
Hearing programs	6
Sound Clarity	
HD Spatial	—
Extended dynamic range	●
Extended bandwidth	●
EchoShield	●
HD Music	3
eWindScreen binaural [1]	—
eWindScreen®	●
Noise Management	●
Speech and noise management (steps)	7
SoundSmoothing® (steps)	3
Directional speech enhancement (steps)	1
Feedback cancellation	●
Speech Quality	
Directionality	
Binaural OneMic Directionality[1]	●
Narrow Directionality [1]	—
Spatial SpeechFocus [1]	—
SpeechFocus	—
TwinPhone[1]	●
Frequency compression	●
Direct Streaming	
Made for iPhone®	—
Adaptive Streaming Volume [2]	—
Tinnitus	
Notched Noise Therapy	●
Tinnitus therapy	●
Fitting	
Smart Optimizer and Data Logging	●
Acclimatization manager	●
Performance Guide	●
Insitugram	●
Learning (classes)	6
TeleCare	
TeleCare 2.0	●

[1] req. bilateral fitting
[2] streaming only

● available — not available

TH Premium IF 19 | Features and Accessories

Style Specific Features	
Ingress Protection Rating	—
Charging contacts	—
Battery Size	10
Battery door on/off function	●
Nanocoated housing	—
e2e wireless® 3.0	●
User controls coupling via e2e	—
Wireless programming	●
Instrument configurations	
Flat cover	—
Rotary volume control	—
Push button	—
Rocker switch	—
Color conversion kit	—
Battery door – direct audio input	—
Battery door – child lock	—
Small earhook	—
Programming Accessories	
ConnexxAir / ConnexxLink	● / —
Noahlink™ wireless	—
Programming adapter / cable	Flex connector
Accessories	
miniPocket®	○
TH CROS RIC 19	—
StreamLine TV	—
StreamLine Mic	—
App	
myControl™ App	—
touchControl™ App	○

● available ○ optional — not available

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 S3.22-2014 and IEC 60118-0:2015 if applicable.
- ▶ All measurements with an ear simulator were performed according to IEC 118-0/A1:1994 and to DIN 45605 (frequency range) if applicable.
- ▶ Curves and figures representing FOG are measured with 20 dB reduction and 70 dB SPL input level.
- ▶ Figures representing Equivalent Input Noise incorporate a moderate expansion.
- ▶ Inductive coil sensitivity values, inductive response curves and T ratings apply for instruments with telecoil battery door only.
- ▶ Tinnitus therapy 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 current consumption is measured in reference test setting (RTS) according to the applicable standards. Due to the settling behaviour of hearing instruments supporting RF (radio frequency), the battery current is measured 3 minutes after turning on (note: no pairing).
- ▶ The battery life is based on first fit settings using 60% of the fitting range and an ISTS (International Speech Test Signal) input signal at 65 dB SPL (note: pairing established). The actual battery life is determined by battery quality, hearing loss, sound environment, usage and activated feature set.

Warning

Choking hazard posed by small parts.

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

Manufactured for
TruHearing Inc.
12936 S. Frontrunner Blvd
Draper, UT 84020
United States

Order No. 03801-99T1-7600, SI/18936-19

www.truhearing.com

IF 19: Premium
Ready-to-wear Hearing Instrument

All data specified were determined under test conditions which comply with the Specifications of Hearing Aid Characteristics ANSI S3.22 — 2014.

Hearing aid test settings according to the test mode, selectable from the CONNEXX® fitting menu, configures the instrument for full-on gain, no compression and all adaptive signal analysis and processing turned off.

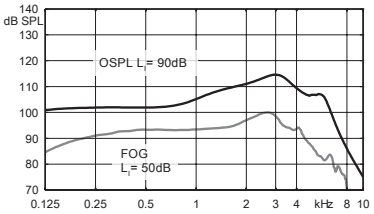
Battery life stated is measured at 65 dB input and reference test gain.

Actual battery life depends on the output level.

Standard ANSI S3.22 - 2014		
Output	Peak OSPL 90 HF - average OSPL 90	113 dB 109 dB
Full-on gain	Peak HF - average	50 dB 46 dB
Frequency range	Low frequency limit High frequency limit	100 Hz 7800 Hz
Total harmonic distortion	500 Hz 800 Hz 1600 Hz 3200 Hz	2% 2% 2% 1%
Equivalent input noise		18 dB
Battery current drain		1.1 mA
Battery life (typical) 10 zinc air battery		~60 hrs.

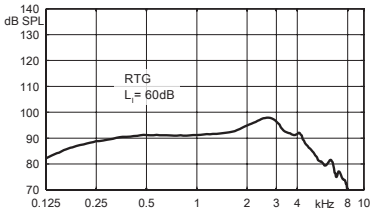
Output Sound Pressure Level

ANSI S3.22-2014



Frequency Response

ANSI S3.22-2014



Hearing Instruments made in Singapore.
10240795 1018 1.0 SI/18930-18

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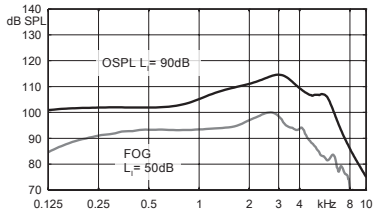
ANSI S3.22-2014



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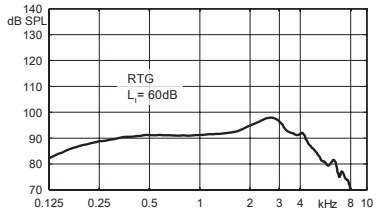

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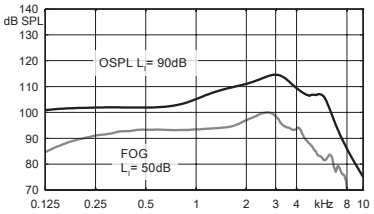

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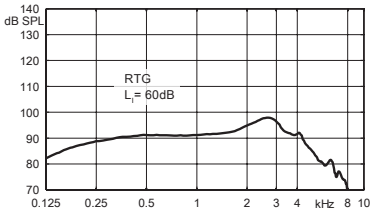

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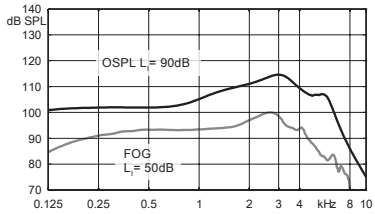

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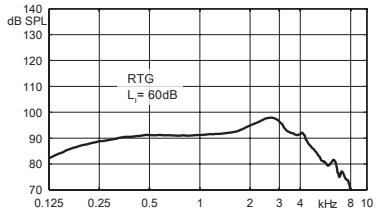

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