

TH Premium RIC LI 19

Technical Data

É iPhone | **iPad** | **iPod**



S-Receiver

- 56 dB / 119 dB SPL (ear simulator)
- 45 dB / 108 dB SPL (2 ccm coupler)

M-Receiver

- 70 dB / 129 dB SPL (ear simulator)
 60 dB / 140 dB SPL
- 60 dB / 119 dB SPL (2 ccm coupler)

P-Receiver

- 80 dB / 134 dB SPL (ear simulator)
- 70 dB / 124 dB SPL (2 ccm coupler)

HP-Receiver

- 82 dB / 138 dB SPL (ear simulator)
- 75 dB / 130 dB SPL (2 ccm coupler)

TH Premium RIC LI 19 | Technical Data

Туре

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	_	123 dB SPL
Peak	108 dB SPL	119 dB SPL	119 dB SPL	129 dB SPL
HFA-OSPL 90	101 dB SPL	_	113 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	24 dB	34 dB	36 dB	48 dB
Frequency, noise and directivity		1		1
Frequency range	100 - 10000 Hz	100 - 10000 Hz	100 - 9400 Hz	100 - 10000 Hz
Equivalent input noise	19 dB SPL	20 dB SPL	19 dB SPL	23 dB SPL
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	1/1/1/1%	1 / 1 / 2 / - %	1/2/1/1%	2/3/2/-%
Tinnitus therapy broadband	65 dB SPL	_	70 dB SPL	_
AI-DI	4.0	dB	4.0 dB	
Inductive coil sensitivity				
MASL (1 mA/m) at 1.6 kHz	_	-	_	-
HFA MASL (1 mA/m)	_	_	_	_
HFA SPLITS (left/right)	_	_	_	_
RSETS (left/right)	_	_	_	_
HFA SPLIV	_	-	_	-
Battery				
Battery voltage	1.2	5 V	1.2	5 V
Battery current drain	1.2 mA	1.2 mA	1.4 mA	1.4 mA
Battery life (cell zinc air)	-	_		_
Battery life (rechargeable)	~1	9 h	~1	9 h
IRIL IEC 60118-13:2016 Ed. 4.0				
700-960 MHz (rating)	user		us	ser
1400-2000 MHz (rating)	us	ser	us	ser
2000-2700 MHz (rating)	us	ser	us	ser
ANSI C63.19-2011				
800-950 MHz (rating)	N	14	N	14
1600-2500 MHz (rating)	Ν	14	N	14

TH Premium RIC LI 19 | Technical Data

Туре

P-Receiver

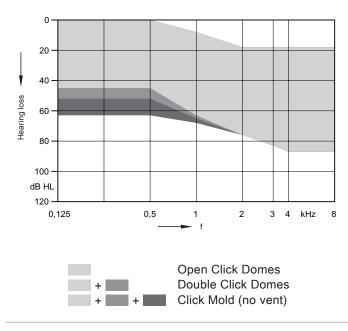
HP-Receiver





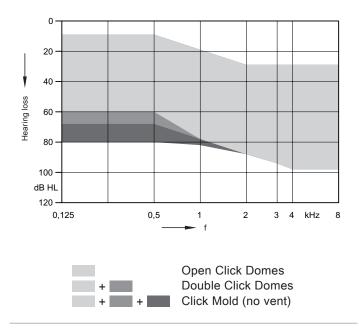
	2 ccm coupler	Ear simulator	2 ccm coupler	Ear simulator	
Output sound pressure level					
at 1.6 kHz	_	128 dB SPL	-	137 dB SPL	
Peak	124 dB SPL	134 dB SPL	130 dB SPL	138 dB SPL	
HFA-OSPL 90	119 dB SPL	_	123 dB SPL	-	
Gain					
Full on gain (FOG) at 1.6 kHz	_	70 dB	_	82 dB	
Full on gain (Peak)	70 dB	80 dB	75 dB	82 dB	
HFA-FOG	63 dB	-	68 dB	_	
Reference test gain	42 dB	53 dB	46 dB	62 dB	
Frequency, noise and directivity					
Frequency range	100 - 7500 Hz	100 - 8100 Hz	100 - 7300 Hz	250 - 6100 Hz	
Equivalent input noise	18 dB SPL	21 dB SPL	16 dB SPL	12 dB SPL	
Total harmonic distortion at 500 / 800 / 1600 / 3200 Hz	1/2/1/1%	3 / 4 / 2 / - %	1/2/1/1%	2/2/1/-%	
Tinnitus therapy broadband	75 dB SPL	_	85 dB SPL	_	
AI-DI	4.0	dB	4.0	dB	
Inductive coil sensitivity					
MASL (1 mA/m) at 1.6 kHz	-	-	-	-	
HFA MASL (1 mA/m)	_	_	_	_	
HFA SPLITS (left/right)	-	_	-	_	
RSETS (left/right)	-	_	-	_	
HFA SPLIV	_	_	-	-	
Battery					
Battery voltage	1.2	5 V	1.2	5 V	
Battery current drain	1.3 mA	1.3 mA	1.3 mA	1.3 mA	
Battery life (cell zinc air)	-	- -	-	- -	
Battery life (rechargeable)	~1	9 h	~1	9 h	
IRIL IEC 60118-13:2016 Ed. 4.0					
700-960 MHz (rating)	us	ser	us	ser	
1400-2000 MHz (rating)	us	ser	user		
2000-2700 MHz (rating)	us	ser	us	ser	
ANSI C63.19-2011					
800-950 MHz (rating)	N	14	N	14	
1600-2500 MHz (rating)	N	14	N	14	

TH Premium RIC LI 19 | Fitting Range

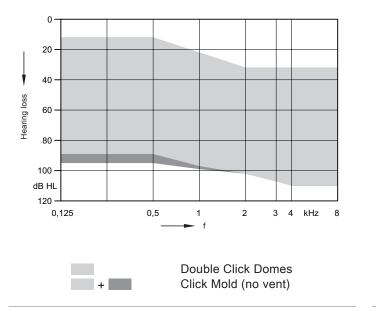


S-Receiver

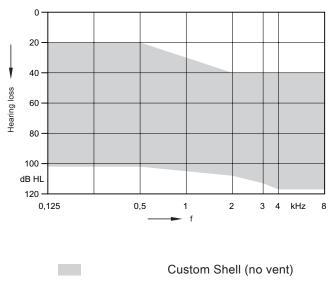
M-Receiver



P-Receiver

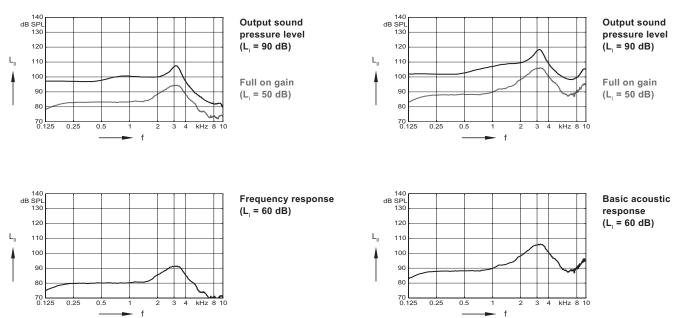


HP-Receiver



S-Receiver (Closed Click Dome) | Basic Data

2 ccm coupler



Ear simulator

M-Receiver (Closed Click Dome) | Basic Data

2 ccm coupler

140 dB SPL 130

120

110 L,

100

90

80

140 dB SPL 130

L₀ 110

A

120

100

90

80

70 0.125

0.25

0.5

1 – f

70 0.125

0.25

0.5

1

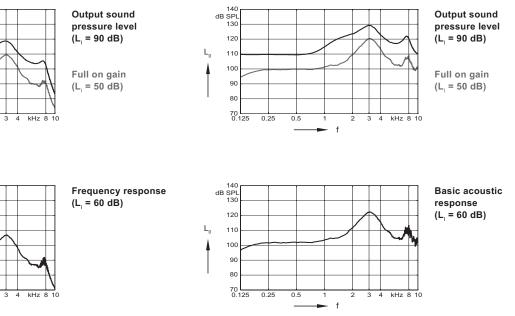
f

2

Å









P-Receiver (Click mold) | Basic Data

3 4 kHz 8 10

kHz 8 10

2 ccm coupler

140 dB SPL 130

120

110 L₀

90

80

140 dB SPL 130

L₀ 110

A

120

100

90

80

70 0.125

0.25

0.5

1 ► f

70 0.125

0.25

0.5

1

f

2

2 3 4

Å 100

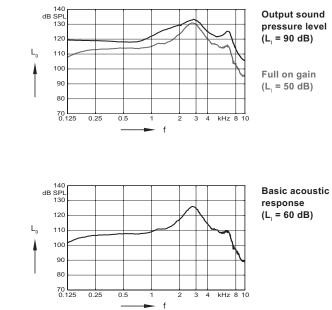


Full on gain $(L_1 = 50 \text{ dB})$

Frequency response

(L₁ = 60 dB)

Ear simulator



HP-Receiver (Custom Shell) | Basic Data

2 ccm coupler

140 dB SPL 130

120

110 L,

100

90

80

140 dB SPL 130

L₀ 110

A

120

100

90

80

70 0.125

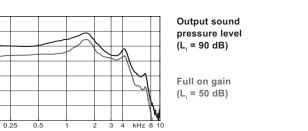
0.25

0.5

1 ► f

70 0.125

Å



Frequency response (L₁ = 60 dB)

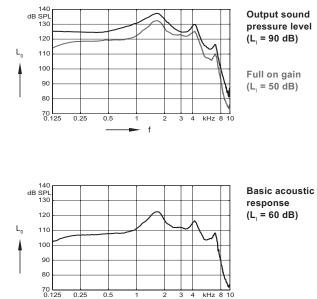
f

2 3 4 kHz 8 10

Ear simulator

0.25

0.5



2

– f

3 4 kHz 8 10

TH Premium RIC LI 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 (presets)	3
eWindScreen binaural ¹⁾	•
eWindScreen	•
Noise Management	
Speech and noise management (steps)	7
SoundSmoothing [®] (steps)	3
Directional speech enhancement (steps)	3
Feedback cancellation	•
Speech Quality	
Directionality	
Narrow Directionality ¹⁾	•
Spatial SpeechFocus ¹⁾	•
SpeechFocus	•
TwinPhone ¹⁾	•
Frequency compression	•
Direct Streaming	
Made for iPhone [®]	٠
Adaptive Streaming Volume 2)	•
Tinnitus	
Notched Noise Therapy	٠
Tinnitus therapy	٠
Fitting	
Smart Optimizer and Data Logging	•
Acclimatization manager	٠
Performance Guide	•
Insitugram	•
Learning (classes)	6
TeleCare	
TeleCare 3.0	٠

¹⁾ req. bilateral fitting

• available • not available • not available

²⁾ streaming only

TH Premium RIC LI 19 | Features and Accessories

Ingress Protection Rating IP68 Charging contacts — Battery Size — 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 – child lock — Programming accessories ● ConnexxAir, ConnexxLink ● Programming adapter / cable ● Accessories ● miniPocket® ● TH CROS RIC 19 ● StreamLine Mic ● Inductive Charger ● Mindexter* ● TH CROS RIC 19 ● StreamLine Mic ● Inductive Charger ● myControl™ App ●	Style specific features	
Battery SizeBattery door on/off functionNanocoated housing●e2e wireless® 3.0●User controls coupling via e2e●Wireless programming●Instrument configurationsFlat coverRotary volume controlPush button●Rocker switchColor conversion kit○Battery door - integrated telecoilBattery door - child lockProgramming accessories●ConnexxAir, ConnexxLinkNoahlink™ wireless●Programming adapter / cableAccessories●miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○	Ingress Protection Rating	IP68
Battery door on/off functionNanocoated housing●e2e wireless* 3.0●User controls coupling via e2e●Wireless programming●Instrument configurationsFlat coverRotary volume controlPush button●Rocker switchColor conversion kit○Battery door - integrated telecoilSmall earhookProgramming adapter / cableNoahlink™ wireless●Programming adapter / cableTH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Charging contacts	
Nanocoated housing●e2e wireless® 3.0●User controls coupling via e2e●Wireless programming●Instrument configurations●Flat coverRotary volume controlPush button●Rocker switchColor conversion kit○Battery door - child lockSmall earhookProgramming adapter / cableNoahlink™ wireless●Programming adapter / cableAccessories○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Battery Size	
e2e wireless® 3.0●User controls coupling via e2e●Wireless programming●Instrument configurations●Flat coverRotary volume controlPush button●Rocker switchColor conversion kit○Battery door - integrated telecoilBattery door - child lockSmall earhookProgramming accessoriesConnexxAir, ConnexxLinkNoahlink™ wireless●Programming adapter / cableAccessories○TH CROS RIC 19○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Battery door on/off function	
User controls coupling via e2e●Wireless programming●Instrument configurations●Flat coverRotary volume controlPush button●Rocker switchColor conversion kit○Battery door - integrated telecoilBattery door - child lockSmall earhookProgramming accessoriesConnexxAir, ConnexxLinkNoahlink™ wireless●Programming adapter / cableAccessories○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Nanocoated housing	•
Wireless programming●Instrument configurationsFlat cover—Rotary volume control—Push button●Rocker switch—Color conversion kit○Battery door - integrated telecoil—Battery door - child lock—Small earhook—Programming accessories●ConnexxAir, ConnexxLink—Noahlink™ wireless●Programming adapter / cable—Accessories●miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	e2e wireless [®] 3.0	•
Instrument configurationsFlat cover—Rotary volume control—Push button●Rocker switch—Color conversion kit○Battery door – integrated telecoil—Battery door – child lock—Small earhook—Programming accessories●ConnexxAir, ConnexxLink—Noahlink™ wireless●Programming adapter / cable—Accessories●miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	User controls coupling via e2e	•
Flat cover—Rotary volume control—Push button●Rocker switch—Color conversion kit○Battery door – integrated telecoil—Battery door – child lock—Small earhook—Programming accessories—ConnexxAir, ConnexxLink—Noahlink™ wireless●Programming adapter / cable—Accessories○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Wireless programming	•
Rotary volume control—Push button●Rocker switch—Color conversion kit○Battery door – integrated telecoil—Battery door – child lock—Small earhook—Programming accessories—ConnexxAir, ConnexxLink—Noahlink™ wireless●Programming adapter / cable—Accessories○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Instrument configurations	
Push button●Rocker switchColor conversion kit○Battery door - integrated telecoilBattery door - child lockSmall earhookProgramming accessoriesConnexxAir, ConnexxLinkNoahlink™ wireless●Programming adapter / cableAccessories○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Flat cover	_
Rocker switch—Color conversion kit○Battery door – integrated telecoil—Battery door – child lock—Small earhook—Programming accessories—ConnexxAir, ConnexxLink—Noahlink™ wireless●Programming adapter / cable—Accessories○miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Rotary volume control	—
Color conversion kit○Battery door - integrated telecoilBattery door - child lockSmall earhookProgramming accessoriesConnexxAir, ConnexxLinkNoahlink™ wireless●Programming adapter / cableAccessories○miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Push button	•
Battery door - integrated telecoil—Battery door - child lock—Small earhook—Programming accessories—ConnexxAir, ConnexxLink—Noahlink™ wireless●Programming adapter / cable—Accessories○miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine TV○Inductive ChargermandatoryApps○myControl™ App○	Rocker switch	
Battery door - child lockSmall earhookProgramming accessoriesConnexxAir, ConnexxLinkNoahlink™ wireless●Programming adapter / cableAccessoriesminiPocket®OTH CROS RIC 19OStreamLine TVOStreamLine MicOInductive ChargermandatoryAppsOmyControl™ AppO	Color conversion kit	0
Small earhook—Programming accessories—ConnexxAir, ConnexxLink—Noahlink™ wireless●Programming adapter / cable—Accessories—miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Battery door – integrated telecoil	
Programming accessoriesConnexxAir, ConnexxLinkNoahlink™ wirelessProgramming adapter / cableAccessoriesminiPocket®TH CROS RIC 19StreamLine TVStreamLine MicInductive ChargermandatoryAppsmyControl™ AppO	Battery door – child lock	
ConnexxAir, ConnexxLink—Noahlink™ wireless●Programming adapter / cable—Accessories○miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Small earhook	_
Noahlink™ wireless●Programming adapter / cable—Accessories●miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Programming accessories	
Programming adapter / cable—AccessoriesOminiPocket®OTH CROS RIC 19OStreamLine TVOStreamLine MicOInductive ChargermandatoryAppsOmyControl™ AppO	ConnexxAir, ConnexxLink	
AccessoriesminiPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Noahlink™ wireless	•
miniPocket®○TH CROS RIC 19○StreamLine TV○StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	Programming adapter / cable	_
TH CROS RIC 19 ○ StreamLine TV ○ StreamLine Mic ○ Inductive Charger mandatory Apps ○ myControl [™] App ○	Accessories	
StreamLine TV○StreamLine Mic○Inductive ChargermandatoryAppsOmyControl™ App○	miniPocket®	0
StreamLine Mic○Inductive ChargermandatoryApps○myControl™ App○	TH CROS RIC 19	0
Inductive ChargermandatoryApps○myControl™ App○	StreamLine TV	0
AppsmyControl™ AppO	StreamLine Mic	0
myControl™ App O	Inductive Charger	mandatory
	Apps	
touchControl™ App O	myControl™ App	0
	touchControl™ App	0

lacksquare available \bigcirc optional - not available

Notes	
	_

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
SPLIV	SPL In a Vertical magnetic field
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 S3.22-2014 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.
- ▶ The following acoustic connections / ear pieces were used:
 - S-Receiver Unit and M-Receiver Unit: Closed Click Dome
 - P-Receiver Unit: Click Mold
 - HP-Receiver Unit: Custom Shell

Note for power cell

Operating times may vary due to hearing loss, use of binaural features and accessories, age of power cell as well as the sound environment.



"Made for iPod", "Made for iPhone", and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

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.

Manufactured for

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

Order No. 03802-99T1-7600, SI/18938-19 © 09.2018, TruHearing Inc. All rights reserved

www.truhearing.com



Marning

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.



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.

TH Premium RIC LI 19 S Receiver

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.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator) Battery life stated is measured at 65 dB input

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

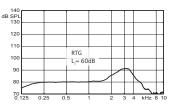
Actual battery life depends on the output level. All tests performed with closed click dome.

Output Sound Pressure Level ANSI S3.22-2014

140	_	_					_	_		_
dB SPL 130										
120										
110					OSPL L _i = 90dB					
100								Δ		
90				_				2		
80		_				~	r og		\sim	4
						Ĺ	= 50	dB	2	-
70	25	0 3	25	0	5	1 :	2 :	3 /	4 kHz	8 1

Frequency Response

ANSI S3.22-2014



Hearing Instruments made in Singapore. 10240777 10/18 1.0 SI/18916-18

TH Premium RIC LI 19 S Receiver Receiver-in-Canal 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.

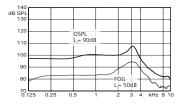
SPLITS (Sound Pressure Level for Inductive Telecoil Simulator) Battery life stated is measured at 65 dB input

and reference test gain. Actual battery life depends on the output level.

All tests performed with closed click dome

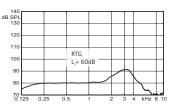
Output Sound Pressure Level

ANSI S3.22-2014



Frequency Response

ANSI S3.22-2014



Standard ANSI	2 ccm coupler	
Output	Peak OSPL 90 HF - average OSPL 90	108 dB 101 dB
Full-on gain	Peak HF - average Reference test gain	45 dB 37 dB 24 dB
Frequency range	100 Hz 10000 Hz	
Total harmonic distortion 500 Hz 800 Hz 1600 Hz 3200 Hz 3200 Hz		1% 1% 1% 1%
Equivalent inp	19 dB	
Battery current	1.2 mA	
Battery life (typ	bical) Li-lon power cell	up to 19 hrs.



TH Premium RIC LI 19 S Receiver

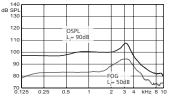
All data specified were determined under test conditions which comply with the Specifications of Hearing Aid Characteristics ANSI S3.22 — 2014. Hearing aid test settings according to the test mode, selectable from the CONNEXX® fitting menu, configures the instrument for full-on gain, no compression and all adaptive signal analysis and processing turned off.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator)

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

Actual battery life depends on the output level. All tests performed with closed click dome.

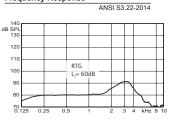
Output Sound Pressure Level ANSI S3.22-2014



Frequency Response

Hearing Instruments made in Singapore

10240777 10/18 1.0 SI/18916-18



Standard ANSI	S3.22 - 2014	2 ccm coupler		
Output	Output Peak OSPL 90 HF - average OSPL 90			
Full-on gain	on gain HF - average Reference test gain			
Frequency range	100 Hz 10000 Hz			
Total harmonic distortion 500 Hz 800 Hz 1600 Hz 3200 Hz		1% 1% 1% 1%		
Equivalent inp	19 dB			
Battery current	1.2 mA			
Battery life (typ	bical) Li-lon power cell	up to 19 hrs.		



TruHearing

TH Premium RIC LI 19 S Receiver Receiver-in-Canal Hearing Instrument

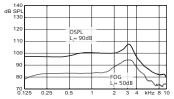
All data specified were determined under test conditions which comply with the Specifications of Hearing Aid Characteristics ANSI S3.22 — 2014. Hearing aid test settings according to the test mode, selectable from the CONNEXX® fitting menu, configures the instrument for full-on gain, no compression and all adaptive signal analysis and processing turned off.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator)

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

Actual battery life depends on the output level. All tests performed with closed click dome.

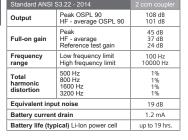
Output Sound Pressure Level ANSI S3.22-2014



Frequency Response

dB

						00		2011	
	-	+			_				
	_	-			_				
	+			dB	_				
-	+	 +		-	-	/			
	-	 +-			4				
25								~	8 1
			L'		RTG L ₁ = 60dB	RTG L= 60dB	RTG L= 60d8	RTG L,= 60dB	L _i = 60dB





TruHearing

TruHearing

Hearing Instruments made in Singapore. 10240777 10/18 1.0 SI/18916-18

TruHearing

108 dB 101 dB

45 dB 37 dB

24 dB

100 Hz 10000 Hz

1%

1% 1% 1%

19 dB

1.2 mA

up to 19 hrs

Peak OSPL 90 HF - average OSPL 90

HF - average Reference test gain

Low frequency limit High frequency limit

Peak

500 Hz 800 Hz 1600 Hz 3200 Hz

Battery life (typical) Li-lon power cell

Standard AN

Full-on gain

Frequency

harmonic

Equivalent input noise

Battery current drain

range

Total

Output

TH Premium RIC LI 19 M Receiver

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, n compression and all adaptive signal analysis and processing turned off.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator) Battery life stated is measured at 65 dB input

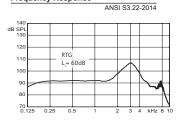
and reference test gain. Actual battery life depends on the output level.

All tests performed with closed click dome

Output Sound Pressure Level ANSI S3.22-2014

140								
dB SPL 130								
		OSPI						
120		L,= 9	OdB					
110					ſ.,			
						\backslash	\sim	
100					r			Н
90				~				Ŧ
80			FOG				-	//
00			L _I = 50	dB				1
70	25 0	25 0	-	1 1		2 4	1 kHz 3	

Frequency Response



Hearing Instruments made in Singapore 10240778 10/18 1.0 SI/18917-18

TH Premium RIC LI 19 M Receiver Receiver-in-Canal Hearing Instrument

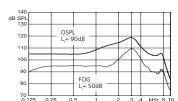
All data specified were determined under test conditions which comply with the Specifications of Hearing Aid Characteristics ANSI S3.22 — 2014. Hearing aid test settings according to the test mode selectable from the CONNEXX® fitting menu, configures the instrument for full-on gain, n compression and all adaptive signal analysis and processing turned off.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator) Battery life stated is measured at 65 dB input

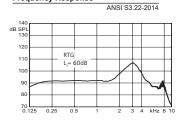
and reference test gain. Actual battery life depends on the output level.

All tests performed with closed click dome

Output Sound Pressure Level ANSI S3.22-2014



Frequency Response



Standard AN Peak OSPL 90 HF - average OSPL 90 119 dB 113 dB Output 60 dB 50 dB 36 dB Peak Full-on gain HF - average Reference test gain Low frequency limit High frequency limit Frequency 100 Hz 9400 Hz range 500 Hz 800 Hz 1600 Hz 3200 Hz 1% Total 2% 1% 1% harmonic Equivalent input noise 19 dB Battery current drain 1.4 mA Battery life (typical) Li-lon power cell up to 19 hrs.



TruHearing[®]

Standard ANSI	S3.22 - 2014	2 ccm coupler		
Output	Peak OSPL 90 HF - average OSPL 90	119 dB 113 dB		
Full-on gain	Full-on gain Peak HF - average Reference test gain			
Frequency range				
Total harmonic distortion	harmonic 1600 Hz			
Equivalent inp	19 dB			
Battery curren	1.4 mA			
Battery life (ty	pical) Li-lon power cell	up to 19 hrs.		



TruHearing

TH Premium RIC LI 19 M Receiver

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, n compression and all adaptive signal analysis and processing turned off.

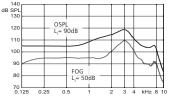
SPLITS (Sound Pressure Level for Inductive Telecoil Simulator)

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

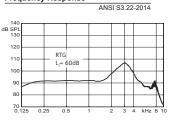
Actual battery life depends on the output level. All tests performed with closed click dome

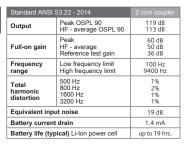
Output Sound Pressure Level

ANSI S3.22-2014



Frequency Response





Hearing Instruments made in Singapore 10240778 10/18 1.0 SI/18917-18

TruHearing

TH Premium RIC LI 19 M Receiver Receiver-in-Canal 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, n compression and all adaptive signal analysis and

SPLITS (Sound Pressure Level for

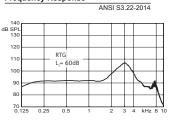
Battery life stated is measured at 65 dB input

Actual battery life depends on the output level.

ANSI S3.22-2014

dB SPI 130 OSPL L,= 90dB 12 110 10 FOG L,= 50dB 80 70 0.2 0

Frequency Response



Standard ANSI	2 ccm coupler	
Output	Peak OSPL 90 HF - average OSPL 90	119 dB 113 dB
Full-on gain	Peak HF - average Reference test gain	60 dB 50 dB 36 dB
Frequency range	Low frequency limit High frequency limit	100 Hz 9400 Hz
Total 500 Hz harmonic 800 Hz distortion 3200 Hz		1% 2% 1% 1%
Equivalent input	19 dB	
Battery current	1.4 mA	
Battery life (typ	up to 19 hrs.	



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TruHearing[®]

processing turned off.

Inductive Telecoil Simulator)

and reference test gain. All tests performed with closed click dome

Output Sound Pressure Level

TH Premium RIC LI 19 P Receiver

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, n compression and all adaptive signal analysis and processing turned off.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator)

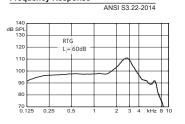
Battery life stated is measured at 65 dB input and reference test gain.

Actual battery life depends on the output level. All tests performed with click mold.

Output Sound Pressure Level ANSI S3.22-2014

140								
dB SPL 130		OSP						-
120		L,= 9			\langle			-
110						$\overline{/}$	\sim	-
100			FOG	_			5	-
90			L_= 5	0dB				A
80								ľ
70								1
01	125 0	25 0	6	1 1		2	1 24 2	2

Frequency Response



Hearing Instruments made in Singapore 10240779 10/18 1.0 SI/18918-18

TH Premium RIC LI 19 P Receiver Receiver-in-Canal 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, r compression and all adaptive signal analysis and processing turned off.

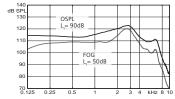
SPLITS (Sound Pressure Level for Inductive Telecoil Simulator) Battery life stated is measured at 65 dB input

and reference test gain. Actual battery life depends on the output level.

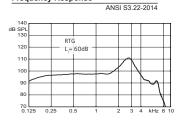
All tests performed with click mold

Output Sound Pressure Level

ANSI S3.22-2014



Frequency Response



Standard ANSI S3.22 - 2014 Peak OSPL 90 HF - average OSPL 90 124 dB 119 dB Output 70 dB 63 dB 42 dB Peak Full-on gain HF - average Reference test gain Low frequency limit High frequency limit Frequency 100 Hz 7500 Hz range 500 Hz 800 Hz 1600 Hz 3200 Hz 1% Total 2% 1% 1% harmonic Equivalent input noise 18 dB Battery current drain 1.3 mA Battery life (typical) Li-lon power cell up to 19 hrs.



TruHearing[®]

Standard ANSI	2 ccm coupler		
Output	Output Peak OSPL 90 HF - average OSPL 90		
Full-on gain	Full-on gain Peak HF - average Reference test gain		
Frequency range	Low frequency limit High frequency limit	100 Hz 7500 Hz	
Total harmonic distortion	harmonic 1600 Hz		
Equivalent inp	18 dB		
Battery current drain		1.3 mA	
Battery life (ty	up to 19 hrs.		



TH Premium RIC LI 19 P Receiver

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, n compression and all adaptive signal analysis and processing turned off.

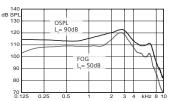
SPLITS (Sound Pressure Level for Inductive Telecoil Simulator)

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

Actual battery life depends on the output level. All tests performed with click mold.

ANSI S3.22-2014

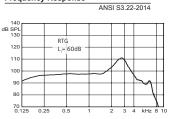
Output Sound Pressure Level



Frequency Response

Hearing Instruments made in Singapore

10240779 10/18 1.0 SI/18918-18



Standard ANSI	2 ccm coupler	
Output	Peak OSPL 90 HF - average OSPL 90	124 dB 119 dB
Full-on gain	Full-on gain Peak HF - average Reference test gain	
Frequency range		
Total harmonic distortion 500 Hz 800 Hz 1600 Hz 3200 Hz		1% 2% 1% 1%
Equivalent inpu	18 dB	
Battery current drain		1.3 mA
Battery life (typ	up to 19 hrs.	

TruHearing

TH Premium RIC LI 19 P Receiver Receiver-in-Canal Hearing Instrument

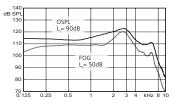
All data specified were determined under test conditions which comply with the Specifications of Hearing Aid Characteristics ANSI S3.22 — 2014. Hearing aid test settings according to the test mode, selectable from the CONNEXX® fitting menu, configures the instrument for full-on gain, n compression and all adaptive signal analysis and processing turned off.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator)

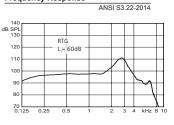
Battery life stated is measured at 65 dB input and reference test gain.

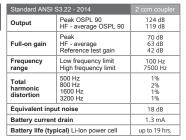
Actual battery life depends on the output level. All tests performed with click mold

Output Sound Pressure Level ANSI S3.22-2014



Frequency Response







TruHearing

TruHearing

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TH Premium RIC LI 19 HP Receiver

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.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator) Battery life stated is measured at 65 dB input

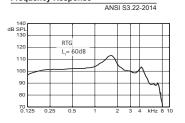
and reference test gain. Actual battery life depends on the output level.

All tests performed with custom shell.

Output Sound Pressure Level ANSI S3.22-2014

140								_
dB SPL 130		PL						
120	L,=	90dB						
110					Ž	♪	1	
100		FOG						
90		L,= 5	OdB				2	
80							ľ	V
70	25 0	25 0	5	1 3	2 3	4	kHz 8	1

Frequency Response



Hearing Instruments made in Singapore. 10240780 10/18 1.0 SI/18919-18

TH Premium RIC LI 19 HP Receiver Receiver-in-Canal Hearing Instrument

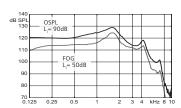
All data specified were determined under test conditions which comply with the Specifications of Hearing Aid Characteristics ANSI S3.22 — 2014. Hearing aid test settings according to the test mode, selectable from the CONNEXX® fitting menu, configures the instrument for full-on gain, no compression and all adaptive signal analysis and processing turned off.

SPLITS (Sound Pressure Level for Inductive Telecoil Simulator) Battery life stated is measured at 65 dB input and reference test gain.

Actual battery life depends on the output level.

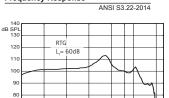
All tests performed with custom shell.

Output Sound Pressure Level ANSI S3.22-2014



Frequency Response

70



Standard AN Peak OSPL 90 HF - average OSPL 90 130 dB 123 dB Output 75 dB 68 dB 46 dB Peak Full-on gain HF - average Reference test gain Low frequency limit High frequency limit 100 Hz 7300 Hz Frequency range 500 Hz 800 Hz 1% 2% 1% 1% Total onio 1600 Hz 3200 Hz distortion Equivalent input noise 16 dB Battery current drain 1.3 mA Battery life (typical) Li-lon power cell up to 19 hrs.



TH Premium RIC LI 19 HP Receiver

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.

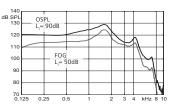
SPLITS (Sound Pressure Level for Inductive Telecoil Simulator)

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

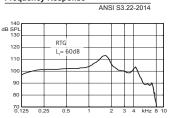
Actual battery life depends on the output level. All tests performed with custom shell.

ANSI S3.22-2014

Output Sound Pressure Level



Frequency Response



Standard ANSI S	2 ccm coupler	
Output	Peak OSPL 90 HF - average OSPL 90	130 dB 123 dB
Full-on gain HF - average Reference test gain		75 dB 68 dB 46 dB
Frequency range	Low frequency limit High frequency limit	100 Hz 7300 Hz
Total 500 Hz harmonic 800 Hz distortion 3200 Hz		1% 2% 1% 1%
Equivalent inpu	16 dB	
Battery current	1.3 mA	
Battery life (typ	up to 19 hrs.	

Hearing Instruments made in Singapore 10240780 10/18 1.0 SI/18919-18

TruHearing

TH Premium RIC LI 19 HP Receiver Receiver-in-Canal 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.

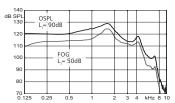
SPLITS (Sound Pressure Level for Inductive Telecoil Simulator)

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

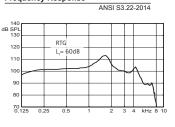
Actual battery life depends on the output level. All tests performed with custom shell.

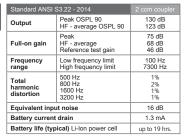
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Output Sound Pressure Level ANSI S3.22-2014



Frequency Response







Hearing Instruments made in Singapore. 10240780 10/18 1.0 SI/18919-18

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TruHearing[•]

Standard ANS	Standard ANSI S3.22 - 2014		
Output	Output Peak OSPL 90 HF - average OSPL 90		
Full-on gain	Full-on gain HF - average Reference test gain		
Frequency range	Low frequency limit High frequency limit	100 Hz 7300 Hz	
Total 500 Hz harmonic 800 Hz distortion 3200 Hz		1% 2% 1% 1%	
Equivalent in	16 dB		
Battery current drain		1.3 mA	
Battery life (typical) Li-lon power cell		up to 19 hrs.	

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