



ITC

Model	RU9ITC-DWC	RU7ITC-DWC	RU5ITC-DWC	RU4ITC-DWC
<b>Device Configurations</b>				
Battery	Rechargeable Lithium-Ion			
Control Options	Push Button			
Receiver Options	LP, MP, HP, UP			
IP Classification	IP68			
<b>Audiological Features</b>				
Number of Channels	17	14	12	12
360 All-Around	●	-	-	-
All Access Directionality	-	●	-	-
Binaural Directionality III	-	-	●	-
Binaural Directionality	-	-	-	●
Spatial Sense	●	●	●	-
Front Focus	●	-	-	-
Ultra Focus	-	●	-	-
Synchronised Soft Switching	●	●	●	●
Environmental Optimiser II	●	-	-	-
Environmental Optimiser I	-	●	●	-
Noise Tracker II	5 settings	3 settings	2 settings	On/Off
Expansion	3 settings	2 settings	On/Off	On/Off
Impulse Noise Reduction	3 settings	3 settings	On/Off	On/Off
Wind Guard	3 settings	2 settings	On/Off	On/Off
Sound Shaper	●	●	●	●
DFS Ultra III (w/ Music Mode)	●	●	●	●
Synchronised Acceptance Manager	●	●	●	●
Tinnitus Sound Generator	●	●	●	●
<b>Functional Features</b>				
Ear to Ear Communication	●	●	●	●
Direct audio streaming	●	●	●	●
ReSound TV Streamer 2, Remote Control, Remote Control 2, Phone Clip+, Micro Mic and Multi Mic	●	●	●	●
ReSound Smart 3D™ app	●	●	●	●
Sound Enhancer (ReSound Smart 3D™ app)	●	-	-	-
<b>Remote Fine Tuning and Updates</b>				
ReSound Assist	●	●	●	●
ReSound Assist Live	●	●	●	●
Remote Firmware Updates	●	●	●	●
<b>Fitting Features</b>				
Fitting Software Smart Fit™ 1.16 or higher	●	●	●	●
Fully Flexible Programs	4	4	4	4
Low Frequency Boost (UP receiver only)	3 settings	2 settings	On/Off	On/Off
Auto DFS	●	●	●	●
Datalogging	●	●	●	●
Wireless Fitting with Noahlink Wireless	●	●	●	●



Custom charger

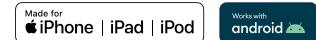


Charging cable



AC/DC Adaptor (EU example)

Technical data	Custom charger
Dimensions	82.0mm(L) x 48.0mm(W) x 58mm(H), tolerance is ±1.0mm
Weight	108g, tolerance is ±10g.
Power Supply	USB power supply, 5 V
Power Connector	USB-C
Charging form factor (CFF)	Custom
Charging time for Hearing Instrument	< 30 °C (86F): 5 hours, dependent on the initial state of charge of the battery
Wireless frequency between Hearing Instrument and Charger	2.4 GHz and 135.6 kHz
ESD tolerance	According to IEC 61000-4-2 Electrostatic discharge immunity test standard
Operating & Charging temperature	+ 5 °C (41F) to + 30 °C (86F) at a relative humidity range of 15% to 90%, non-condensing
Storage temperature for charger and Hearing Instrument	- 25 °C (-13F) to + 5 °C (41F), + 5 °C (41F) to + 35 °C (95F) at a relative humidity up to 90%, non-condensing, > 35 °C (95F) to 60 °C (140F) at a water vapour pressure up to 50 hPa



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# Technical Specifications

		LP		MP		
		IEC 60118-0:1983_AMD1:1994 IEC60118-0:2015* IEC 711 Ear simulator	ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	IEC 60118-0:1983_AMD1:1994 IEC60118-0:2015* IEC 711 Ear simulator	ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	36	33	43	38	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	50 46	40 38	60 52	50 45	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	125 117	114 109	128 122	118 114	dB SPL
Total harmonic distortion	500 Hz	0.4	0.3	0.5	0.5	%
	800 Hz	0.4	0.4	0.9	0.6	
	1600 Hz	0.3	0.5	0.8	0.8	
	3200 Hz	-	0.2	-	0.3	
Equivalent input noise, w/o Noise reduction		22	21	24	22	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	8	8	8	8	dB SPL
Frequency range IEC 60118-0: 2015*		100-9550	100-9260	100-9470	100-9040	Hz
Battery Lifetime (Battery type Rechargeable)**		Up to 24	Up to 24	Up to 24	Up to 24	Hours

\* Measured according to IEC 60118-0:2015, with 711-Ear simulator coupler.  
 \*\* Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

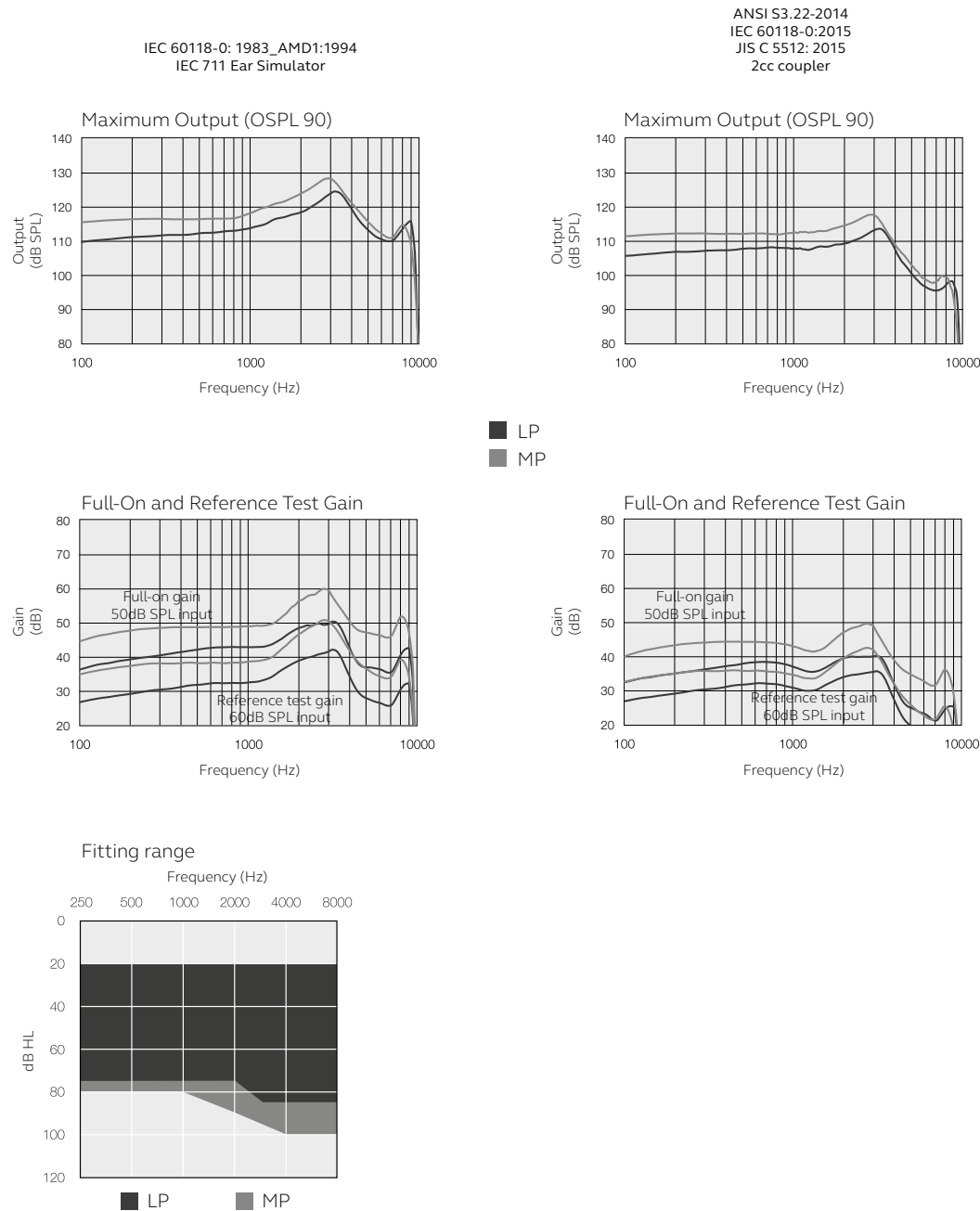
# Technical Specifications

		HP		UP		
		IEC 60118-0:1983_AMD1:1994 IEC60118-0:2015* IEC 711 Ear simulator	ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	IEC 60118-0:1983_AMD1:1994 IEC60118-0:2015* IEC 711 Ear simulator	ANSI S3.22-2014 IEC 60118-0:2015 JIS C 5512: 2015 2cc coupler	
Reference test gain (60 dB SPL input)	1600 Hz/HFA	50	41	61	48	dB
Full-on gain (50 dB SPL input)	Max. 1600 Hz/HFA	70 63	60 54	78 75	70 63	dB
Maximum output (90 dB SPL input)	Max. 1600 Hz/HFA	131 127	121 119	138 138	130 125	dB SPL
Total harmonic distortion	500 Hz	0.5	0.5	0.9	0.6	%
	800 Hz	0.9	0.6	0.8	0.6	
	1600 Hz	1.2	0.8	0.2	0.2	
	3200 Hz	-	0.2	-	0.1	
Equivalent input noise, w/o Noise reduction		24	23	19	21	dB SPL
1/3 Octave Equivalent input noise, w/o Noise reduction	1600 Hz	10	10	10	8	dB SPL
Frequency range IEC 60118-0: 2015*		100-8850	100-7740	100-7880	100-5770	Hz
Battery Lifetime (Battery type Rechargeable)**		Up to 24	Up to 24	Up to 24	Up to 24	Hours

\* Measured according to IEC 60118-0:2015, with 711-Ear simulator coupler.  
 \*\* Expected operating time of the rechargeable battery depends on active features, the use of wireless accessories, hearing loss, battery age and sound environment.

Patents pending

All specifications are subject to change without notice



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