

INTERTON | ELIPSE

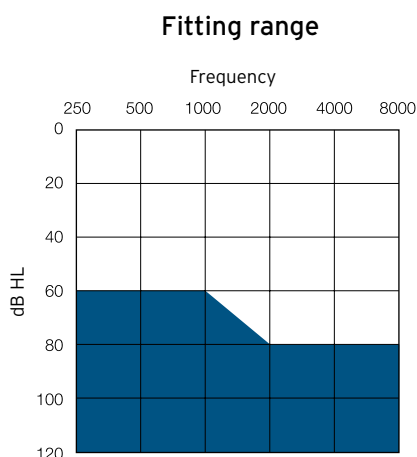
Super Power BTE with Volume Control and DAI—Product Information



EL90-VI

Product Description

Interton Elipse is a 100% digital super power BTE that can be reconfigured as either a WDRC or Linear device, based on your patient's individual hearing needs. Featuring a robust Digital Feedback cancellation system, Elipse can provide additional headroom without feedback. Multi-channel MPO adjustments also allow you to fine-tune the fitting to exactly match your patient's needs.



Key Features

- 9-channel sound processing (6 gain handles)
- 6 gain handles in Fitting Software
- Reconfigurable as Linear or WDRC sound processing
- Background noise reduction (Noise Tracker)
- Digital Feedback Cancellation System DFS
- Up to 3 programs
- Multi-channel MPO adjustment
- Power-saving chip technology
- Improved receiver for low frequency optimization
- Direct Audio Input (DAI) compatible

Standard Configuration

- Analog volume control
- Size 675 battery
- Push button
- Acoustic indicator for program selection
- Programmable telecoil
- Low battery warning indicator
- Battery door with integrated On/Off switch

Options

- DAI boot
- 3 case colors

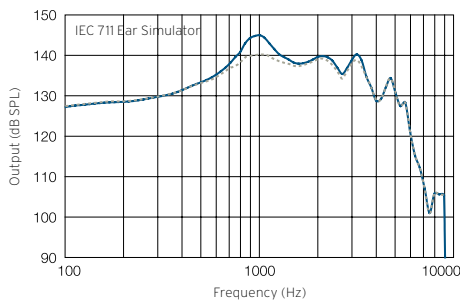
Fitting Requirements

- Appraise fitting software (1.20 or higher)
- CS44 Socket cable (4-pin)
- Speedlink, NOAHlink™ or HI-PRO™ interface (Speedlink recommended)

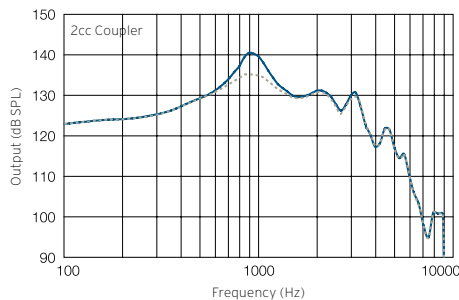
Technical specifications		IEC 118-0	IEC 118-0	IEC 118-7	IEC 118-7	ANSI S3.22	ANSI S3.22	
		Unfiltered	Damped Hook	Unfiltered	Damped Hook	Unfiltered	Damped Hook	
Reference test gain (60 dB SPL input)	1600 Hz	64	63	56	55	56	55	dB
Full-on gain (50 dB SPL input)	Max.	86	82	81	78	81	78	dB
	1600 Hz	77	77	73	71	73	71	dB
Maximum output (90 dB SPL input)	Max.	145	140	141	135	141	135	dB SPL
	1600 Hz	138	137	133	131	133	131	dB SPL
Total harmonic distortion (WDR value in bracket)	500 Hz	4.4	-	2.0	-	2.0	-	%
	800 Hz	2.0	-	0.6	-	0.6	-	%
	1600 Hz	1.4	-	1.0	-	1.0	-	%
Telecoil sensitivity (1 mA/m input)	Max.	115	110	-	-	-	-	dB SPL
HFA - SPLITS @ 31.6 mA/m (ANSI)	Max.	-	-	116	114	116	114	dB SPL
Equivalent input noise w/o Noise reduction		28	-	27	-	27	-	dB SPL
Frequency range (DIN 45605)		180-5040	-	120-4810	-	120-4810	-	Hz
Current Drain		0.92	-	2.5	-	2.5	-	mA
Typical Battery life time (65dB)	algo. On	113	-	113	-	113	-	hrs
Typical Battery life time	algo. Off	685	-	252	-	252	-	hrs
Output compression attack/release time	Peak(Default)	2/15	-	2/15	-	2/15	-	ms
	Soft (optional in Linear)	2/120	-	2/120	-	2/120	-	ms

Data in accordance with ANSI S3.22-2003; Supply Voltage 1.3 V.

Maximum Output (OSPL 90)



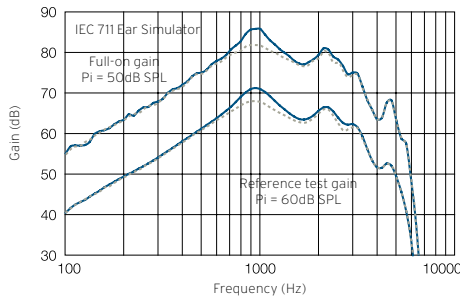
Maximum Output (OSPL 90)



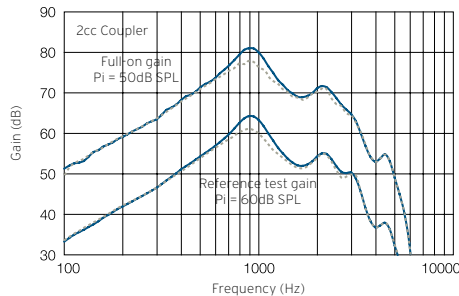
Notes:
O.E.S. = Occluded Ear Simulator
2cc = 2 cm³ coupler
Pi = Acoustic input signal

Basic settings:
Full-on Gain, Reference Test Gain
MPO = Maximum Power Output Maximum Band Width

Full-On and Reference Test Gain

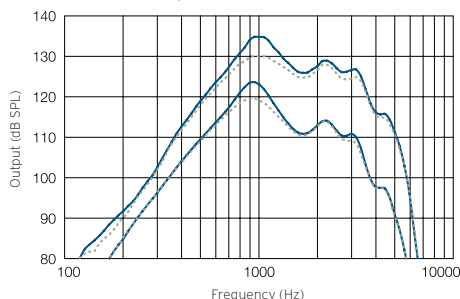


Full-On and Reference Test Gain

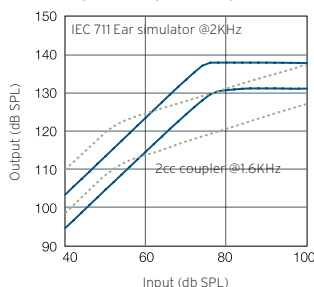


Measured according IEC 118-0 1983, amendment 1994; at 1.3 V and 23°C on O.E.S. according to IEC711 1981, resp on 2cc according to IEC60118-7 2nd edition 2005 (DIN average calculated at 500 Hz, 1000 Hz and 2000 Hz; HFA average calculated at 1000 Hz, 1600 Hz and 2500 Hz; 0 dB SPL sound pressure equals 20-µPa). All measurements without DSP features activated unless indicated otherwise.

Telecoil Response



Input/Output Response



— Unfiltered
- - - Damped Hook

Full-On Gain Parameter Settings*

	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G(80)	59	74	78	68	60	60
G(50)	59	74	78	68	60	60

Reference Test Gain Parameter Settings for 118-0* and 118-7

	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G(80)	45	60	64	54	46	46
G(50)	45	60	64	54	46	46

Reference Test Gain Parameter Settings for ANSI

	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	6 kHz
G(80)	43	58	62	52	44	44
G(50)	43	58	62	52	44	44

*Settings in accordance with Appraise fitting software

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