Inteli Power D

Advanced technology, high powered, potentiometer-controlled, signal processing designed to provide an accurate fit.

Inteli Power D CE *Inteli Power D CC* *Inteli Power D CIC*

Feature Summary:

High Gain and Output for severe to profound hearing losses.

Linear Processing with Output Compression Limiting provides linear amplification without the distortion that accompanies peak clipping.

Dual Time Constant Output Compression design prevents audible artifacts sometimes associated with compression limiting.

Precise Potentiometer adjustments ensure an accurate and consistent fit.

Available in custom CE, LP, HS, CC, SE, and CIC styles.

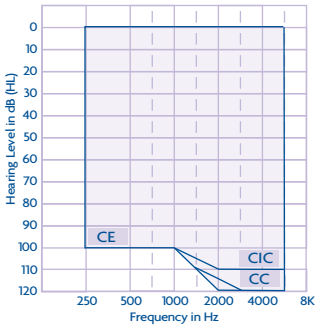
Volume control for all styles, excluding CIC. Screw set volume control standard for CIC.

Indicator Tone for low battery.

Options:

Telecoil with switch available on CE, LP, HS, and CC styles.

Autocoil available on CE, LP, and HS styles.



Available Potentiometers:

Low Cut – Up to 20 dB attenuation at 500 Hz

Resonant Peak Control – Adjusts primary peak frequency from 3200 – 600 Hz.*

High Cut– Up to 20 dB attenuation at 4000 Hz*

Gain Control – Up to 20 dB reduction in gain

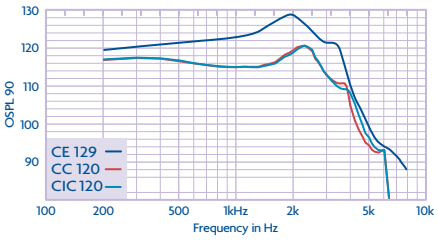
Output Limiting Control – Up to 15 dB reduction in output

*RPC and High Cut Control are incompatible options.

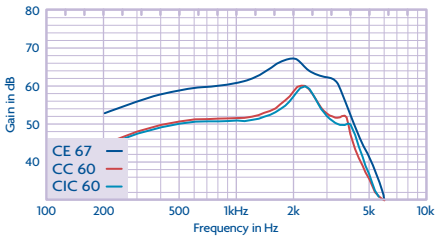
STARKEY

TECHNICAL SPECIFICATIONS

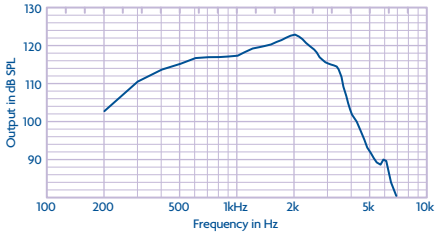
	FULL CONCHA (CE, LP)		*CANAL (HS, CC, SE)*		*CIC (Tympanette)*	
	ANSI	IEC	ANSI	IEC	ANSI	IEC
Peak OSPL 90 (dB SPL)	120-129	127-136	117-120	124-127	115-120	122-127
HFA OSPL 90 (dB SPL)	116-125	NA	114-117	NA	110-117	NA
RTF OSPL 90 (dB SPL)	NA	123-133	NA	120-123	NA	117-122
Peak Gain (dB)	50-60	60-77	50-60	60-70	50-60	60-70
HFA Full On Gain (dB)	44-63	NA	43-54	NA	41-55	NA
RTF Full On Gain (dB)	NA	53-73	NA	52-62	NA	50-62
Frequency Range (kHz)	0.2-5.0	NA	0.2-5.5	NA	0.2-5.5	NA
Ref. Test Frequency (kHz)	1.0, 1.6, 2.5	1.6	1.0, 1.6, 2.5	1.6	1.0, 1.6, 2.5	1.6
Ref. Test Gain (dB) (ansi-hfa; iec-rtf)	39-48	46-58	37-40	45-48	33-40	42-47
Harmonic Distortion						
500 Hz	<3%	<3%	<3%	<3%	<3%	<3%
800 Hz	<3%	<3%	<3%	<3%	<3%	<3%
1600 Hz	<3%	<3%	<3%	<3%	<3%	<3%
Equivalent Input Noise (dB SPL)	<30	<30	<30	<30	<30	<30
(55-90 ANSI) (55-80 IEC) - Test Mode						
Attack Time (ms)	5	5	5	5	5	5
Release Time 0.1-s (ms)	400	5-400	400	5-400	400	5-400
Release Time 2.0-s (ms)	400	5-400	400	5-400	400	5-400
Induction Coil Sensitivity						
HFA SPLITS (ANSI 96) dB SPL	103-108	NA	101-104	NA	NA	NA
MASL (IEC 118-1) dB SPL	NA	83-99	NA	82-92	NA	NA
Battery Current (mA)	.80-1.20	.80-1.20	.80-1.10	.80-1.10	.80-1.10	.80-1.10
Idle (mA)	.74-.96	.74-.96	.74-.91	.74-.91	.74-.83	.74-.83
Estimated Battery Life for 16 hour day						
13 Zinc Air (days)	15-23	15-23	NA	NA	NA	NA
312 Zinc Air (days)	8-13	8-13	9-13	9-13	NA	NA
10A Zinc Air (days)	NA	NA	5-7	5-7	5-7	5-7



OSPL90 curves for the highest standard matrix of the CE 129, CC 120, and CIC 120.



Full On Gain curves for the highest standard matrix of the CE 67, CC 60, and CIC 60.



Induction Coil Sensitivity at Full On Gain for the CE matrix 129/67. Data obtained in RMS magnetic field strength of 31.6 mA/meter.

Measurement Conditions and Recommendations

The data for Inteli Power D are obtained and performance is expressed according to ANSI S3.22 (1996) and IEC 60118-0 (1983), 60118-1 (1999), and 60118-2 (1997). Electro-acoustic data are measured on a Starkey proprietary Real Time Analyzer. Where applicable 2D polar plots and DI data are measured on a B&K PULSE 3560C in an anechoic chamber. Data may be subject to change with product refinement.

Inteli Power D hearing instruments may be set to Test Mode within PFS by reading the hearing aid and choosing Set to Full On Gain (Test Mode) from the Activity drop down menu. Test data results may vary from these specifications due to adaptive signal processing effects and available measurement equipment.

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