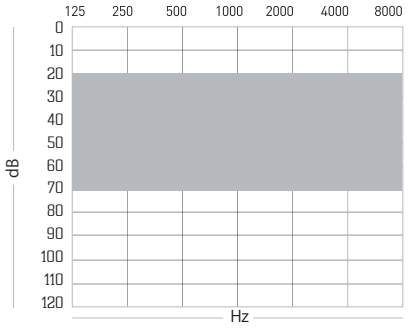
HÖRLUCHS®

TIK ONE 24

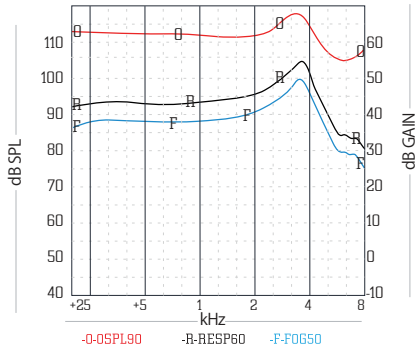


Technical Specifications		IEC 60118-0:2022	
		Ear Simulator	2ccm-coupler
Output (OSPL90)			
Max	dB SPL	118	111
HFA Avg (1000,1600,2500 Hz)	dB SPL	113	103.7
Gain (FOG50)			
Max	dB	50	42
HFA Avg (1000,1600,2500 Hz)	dB	40	40
Reference Test Gain (Input 60 dB SPL)	dB	36	26.2
EQ Input Noise	dB SPL	24	26
Frequency Response (RESP60)			
Low Frequency Limit	Hz	100	100
High Frequency Limit	Hz	8000	7300
Total Harmonic Distortion			
500 Hz (Input 70 dB SPL)	%	0.9	0.8
800 Hz (Input 70 dB SPL)	%	1.1	0.9
1600 Hz (Input 65 dB SPL)	%	1	0.9
3200 Hz (Input 60 dB SPL)	%	1.1	0.8
Battery (1000 Hz / Input 65 dB)			
Battery Current	mA	1.29	1.29
Battery Life (Avg)	Hour	76	76
Battery Type		10	
Operating Voltage	V	1.3	
Bands		48	
Number of programs		4	
WDRC channels		24	
Adjustable channels		24	
Microphone		1	

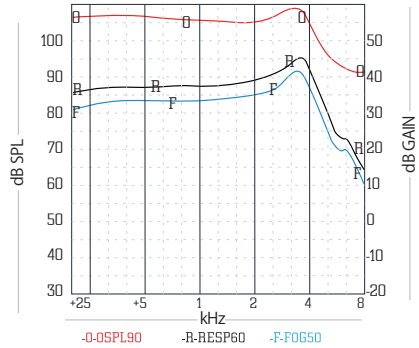
Fitting Range



IEC 60118-0:2022 Ear Simulator



IEC 60118-0:2022 2ccm-coupler



OSPL (Output Sound Pressure Level) / RESP (Frequency Response) / FOG (Full On Gain). Technical data are given according to EN 60118-0 Ear Simulator (MZ coupler) EN 60118-7:2005 2ccm-coupler values.

Key Features:

- 24 Adjustable Channels
- 24 kHz Sampling Frequency
- 24 MPO Output Limits
- 48 Bands
- 4 User Programs
- 24 Adjustable Channels for Dynamic Compression (WDRC)
- Noise Reduction
- Tinnitus Sound Generator
- Impulse Noise Reduction (INR)
- Expansion
- Output Limiting
- FBC (FeedBack Canceller)
- Environment Classification
- Program Change Warning (Voice or Tone)
- Low Battery Warning (Voice or Tone)
- Volume Control
- Datalogging
- Activation Delay
- Sentibo Fitting Formula
- Frequency Channel and WDRC Channel Independent Adaptation
- Mobile Control (Hörluchs Remote)
- Bluetooth® Control

Performance Features:

Extra safety and durability tests: Ear-Technic hearing devices are reliable, durable and robust with its unique design.

- Device is tested in according to
- IEC 60068- 2-64 (Vibration)
- IEC 60068-2-31 (Mechanical shocks)
- IEC 60068-2-14 (Shock temperature changes)

Note: The tests are performed on the kit.

Programming System

Programming is performed exclusively via HörluchsFit4 on iPad.
(Series 10 and above) using a direct Bluetooth® connection. No external programming interface is required.



Manufactured by Ear-Technic GmbH. Ear-Technic GmbH reserves the right to change the information in this technical catalogue.

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