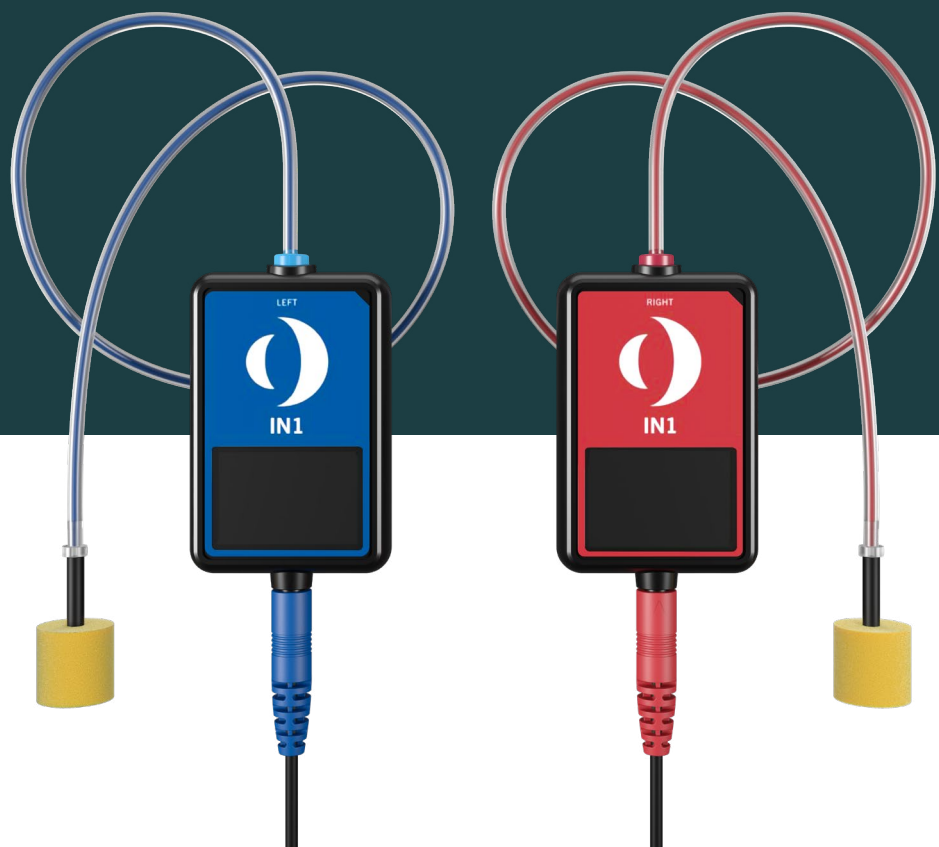


Datasheet

IN1 Insert Earphone

Insert Earphone for Audiological Hearing Loss Measurements



Features

- Sturdy and reliable insert earphone
- High-quality audio performance, specifically designed for hearing loss testing
- Cable length 2.5m
- Cable available as spare part for repair/refurbishment
- Full medical certification as Class 2a Medical Device
- Biocompatibility ISO 10993-1
- RoHS compatible, lead, nickel and latex free
- Included: Fastener Kit with 2 x clips and Velcro strap (for arm/neck placement)

“Austrian based audiology experts Audiometrix, has evaluated the Real Ear transducers under simulated real-clinic conditions using professional audiometric calibration procedures and equipment. The transducers demonstrated stable and consistent performance aligned with clinical and industry expectations”

Auditdata

Technical Specifications (nominal)

Related Standards	IEC-60645-1:2017, ANSI S3.6:2018 (R2023), ISO 389-2:1994
Frequency Range	125 Hz – 8000 Hz
Output Sound Level Range	-10 – 120 dB HL
Output Sound Level Precision*	+/- 3 dB
Sensitivity	103dB SPL at 1kHz, 1 mW, 2cc
Distortion*	<2%, max 2.5% at 110dB HL
Nominal Impedance	10 ohm (+/- 15%)

*At time of manufacturing

Product Specifications

Cable Length	250 cm
Cable Plugs	DIN, Mini-DIN, Mono Jack
Dimensions	120x100x30mm
Dimensions, packaging	250x200x35mm
Weight	180 g (with packaging)

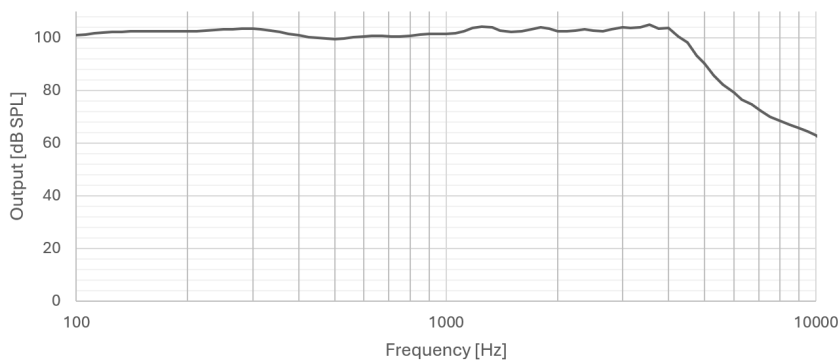
Document References (on special approval and NDA only)

	Doc No.
Audio Performance Report for IEC 60645	DN02901

Measurement Graph

Frequency Response	1mW, 125 - 8kHz, HA-2 IEC 60318-5 2cc Coupler
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Measurements are done on 3 sample units, with average shown



Data Table

- Pure Tone RETSPL
- Recommended Max Levels (using Measure Fitting Unit)

Freq [Hz]	RETSPL [dB]	Max Level [HL]
125	26.0	90.0
160	22.0	
200	18.0	
250	14.0	105.0
315	12.0	
400	9.0	
500	5.5	110.0
630	4.0	
750	2.0	115.0
800	1.5	
1000	0.0	120.0
1250	2.0	120.0
1500	2.0	120.0
1600	2.0	
2000	3.0	120.0
2500	5.0	
3000	3.5	120.0
3150	4.0	
4000	5.5	115.0
5000	5.0	
6000	2.0	100.0
6300	2.0	95.0
8000	0.0	
	Interpolated	

Product Ordering

	Part No.	Plug
IN1 Insert Earphone Mini-DIN	100.067	8-pin Mini-DIN with memory chip