

RadioEar 2020





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Audiometric air transducer headsets

P4492

#8106340

DD45 Adult audiometric headset





-  **Headband:** HBA, foldable
-  **Transducer:** DD45
-  **Cable length:** 2 m
-  **Plug type:** 30°, 2x 6.3 mm gold-plated mono jack



P4492X

#8506471

DD45 Adult audiometric headset




-  **Headband:** HBA, foldable
-  **Transducer:** DD45
-  **Cable length:** 5 m
-  **Plug type:** 30°, 2x 6.3 mm gold-plated mono jack



P4493

#8105268

DD45 Adult audiometric headset




-  **Headband:** HB3045
-  **Transducer:** DD45
-  **Cable length:** 2 m
-  **Plug type:** 30°, 2x 6.3 mm gold-plated mono jack



P4494

#8511347

DD45 Adult audiometric headset

-  **Headband:** HB3045
-  **Transducer:** DD45
-  **Cable length:** 5 m
-  **Plug type:** 30°, 2x 6.3 mm gold-plated mono jack



P4492P

#8512446

DD45 Pediatric audiometric headset


-  **Headband:** HB3100
-  **Transducer:** DD45
-  **Cable length:** 5 m
-  **Plug type:** 30°, 2x 6.3 mm gold-plated mono jack



P4490

#8010954

DD45 Audiometric headset

-  **Headband:** RE-7
-  **Transducer:** DD45
-  **Cable length:** 2 m
-  **Plug type:** 30°, 2x 6.3 mm gold-plated mono jack



P4491

#8010895

DD45 Contra headset





-  **Headband:** HBC
-  **Transducer:** DD45
-  **Cable length:** 2 m
-  **Plug type:** 30°, 1x 6.3 mm gold-plated mono jack



P4510

#8105676

Contra headset



-  **Headband:** HB3045C
-  **Transducer:** DD45
-  **Cable length:** 2 m
-  **Plug type:** Straight, 1x 6.3 mm gold-plated mono mini jack



P4710

#8510115

DD65 v2 Passive attenuation audiometric headset

-  **Cable length:** 2 m
-  **Plug type:** 30°, 2x 6.3 mm gold-plated mono jack



P4711

#8510116

DD65 v2 Passive attenuation audiometric headset


-  **Cable length:** 2 m
-  **Plug type:** Straight, 1x 3.5 mm gold-plated stereo mini jack



P4712

#8510117

DD65 v2 Passive attenuation audiometric headset



-  **Cable length:** 2 m
-  **Plug type:** Straight, 2x 6.3 mm gold-plated mono jack



P4620

8106236

DD450 High frequency headset

-  **Cable length:** 2 m
-  **Plug type:** 30°, 2x 6.3 mm gold-plated mono jack



DD450 High frequency headset


The DD450 is a circumaural headset that can be used for audiometry testing in the standard audiometry range 125 Hz - 8 kHz as well as high-frequency testing up to 20 kHz. The DD450 complies with IEC-60645-1 and ANSI S3.6 up to 16 kHz. When using an IEC60318-1 coupler with a type 1 adaptor on an artificial ear, the standard allows for calibration using the RETSPLs.

-  RoHS compatible
-  Gold-plated connectors
-  Good ambient noise isolation
-  Capable of full range testing

P4621

#8509739

DD450 High frequency headset

-  **Cable length:** 2 m
-  **Plug type:** Straight, 2x 6.3 mm gold-plated mono jack



P4622

#8509294

DD450 High Frequency Headset, min jack stereo plug



-  **Cable length:** 2 m
-  **Plug type:** Straight, 1x 3.5 mm gold-plated stereo mini jack



P4900

#8010901

Amplivox audiocups w DD45 100hm and DD51

-  **Cable length:** 2 m
-  **Plug type:** 30° mono 6.3mm Jack



Air transducer accessories and spare parts

P4421

#8507268

DD45 transducer

Audiometric earphones engineered to match the performance and function of the most popular earphones available for audiological testing.

- Ω 10 ohm receiver
- ⚙ Easy installation
- 🔗 Reliable
- 🌿 RoHS compatible



P4421S

#8507271

DD45S shielded transducer

The shielded DD45 is designed to prevent the stimulus, which is being delivered to the DD45 transducer, from radiating outward, thus 'shielding' the ABR test electrodes from unwanted acoustic artifacts and providing more accurate ABR test results.

- Ω 10 ohm receiver
- ⚙ Easy installation
- 🔗 Reliable
- 🌿 RoHS compatible



P4422

#8121030

Matched pair of DD45 transducers

For ease of calibration with certain equipment, the DD45 matched pairs are carefully measured and evaluated to ensure that they have the same sensitivity at all standard audiometric frequencies.

- Ω 10 ohm receiver
- ⚙ Easy installation
- 🔗 Reliable
- 🌿 RoHS compatible



P4423

#8517296

Matched pair of DD45 transducers

For ease of calibration with certain equipment, the DD45 matched pairs are carefully measured and evaluated to ensure that they have the same sensitivity at all standard audiometric frequencies.

- Ω 300 ohm receiver
- ⚙ Easy installation
- 🔗 Reliable
- 🌿 RoHS compatible



P4451

#8507206

Type 51 Ear Cushion

Black, 1 pc.



P4452

#8507196

Type 51 Ear Cushion set

Red & Blue, 1 set.



P4453

#8010857

Type MX41 Ear Cushion

Black, 1 pc.



HB3045

#8507208

Adult Easy Adjust DD45 Headband

Tension: 4,5 N ±0.5N



HB3100

#8507210

Pediatric Easy Adjust DD45 Headband

Tension: 10 N ±0.5N



HBA

#8010882

Foldable audiometric headband

Black, foldable.



HB3045C

#8507211

DD45 Contra headband

Tension: 4,5 N ±0.5N



RE-7

#8517379

Headband with 2 yokes

Black.



P4432

#8507203

Dual Mono earphone cable

Cable length: 2 m

Plug type: 30°, 2x 6.3 mm gold-plated mono jack



P4471

#8507292

Foam pad for HB3045C headband

10 pcs.



10 pcs

P4432X

#8507204

Dual Mono earphone cable

Cable length: 5 m

Plug type: 30°, 2x 6.3 mm gold-plated mono jack



5 m cable

P4431

#8507205

Single Mono earphone cable


Cable length: 2 m

Plug type: 30°, 1x 6.3 mm gold-plated mono jack



P4432Z

#8107358

Dual Mono earphone cable **Cable length:** 2 m **Plug type:** Straight, 2x 6.3 mm gold-plated mono jack**P4426**

#8513344

DD45 HEX 0,9mm screw**P4425**

#8513343

HEX screwdriver for 0,9mm screw**P4910**

#8010855

Amplivox Audiocups, headset assembled, ex transducers**P4434**

#8004246

Dual Mono Earphone **Cable length:** 2 m **Plug type:** straight mini jack 3.5mm**HEARING AID MEASUREMENTS**





Anechoic Wedge Room in the Radioear Laboratory. Engineer William Steele is setting up a hearing aid to be tested in this room. The highly absorbent Fiberglas wedges "deaden" sound reflections that might otherwise make measurements inaccurate.

Bone transducer headsets

P1010

#8506488

B71 Bone transducer headset





-  **Ohm:** 10 ohm
-  **Cable length:** 79"/200 cm molded cord
-  **Plug type:** Straight, 1x 6.3 mm gold-plated mono jack
-  **Headband:** P3333



P1012

#8510370

B71 Bone transducer headset





-  **Ohm:** 10 ohm
-  **Cable length:** 79"/200 cm molded cord
-  **Plug type:** 30°, 1x 6.3 mm gold-plated mono jack
-  **Headband:** P3333



P2010

#8509840

B-81 Bone transducer headset





-  **Ohm:** 12.5 ohm
-  **Cable length:** 79"/200 cm molded cord
-  **Plug type:** Straight, 1x 6.3 mm gold-plated mono jack
-  **Headband:** P3333



P2011

#8510371

B-81 Bone transducer headset


-  **Ohm:** 12.5 ohm
-  **Cable length:** 79"/200 cm molded cord
-  **Plug type:** 30°, 1x 6.3 mm gold-plated mono jack
-  **Headband:** P3333





P1030

#8511359

B71 Bone transducer headset with 10 pcs AMBAND elastic bands

 Ohm: 10 ohm

 Cable length: 79"/200 cm molded cord

 Plug type: 30°, 1x 6.3 mm gold-plated mono jack

 Headband: P1188 AMBAND




10 pcs
AMBAND
bands


P2030

#8511361

B-81 Bone transducer headset with 10 pcs AMBAND elastic bands

 Ohm: 12.5 ohm

 Cable length: 79"/200 cm molded cord

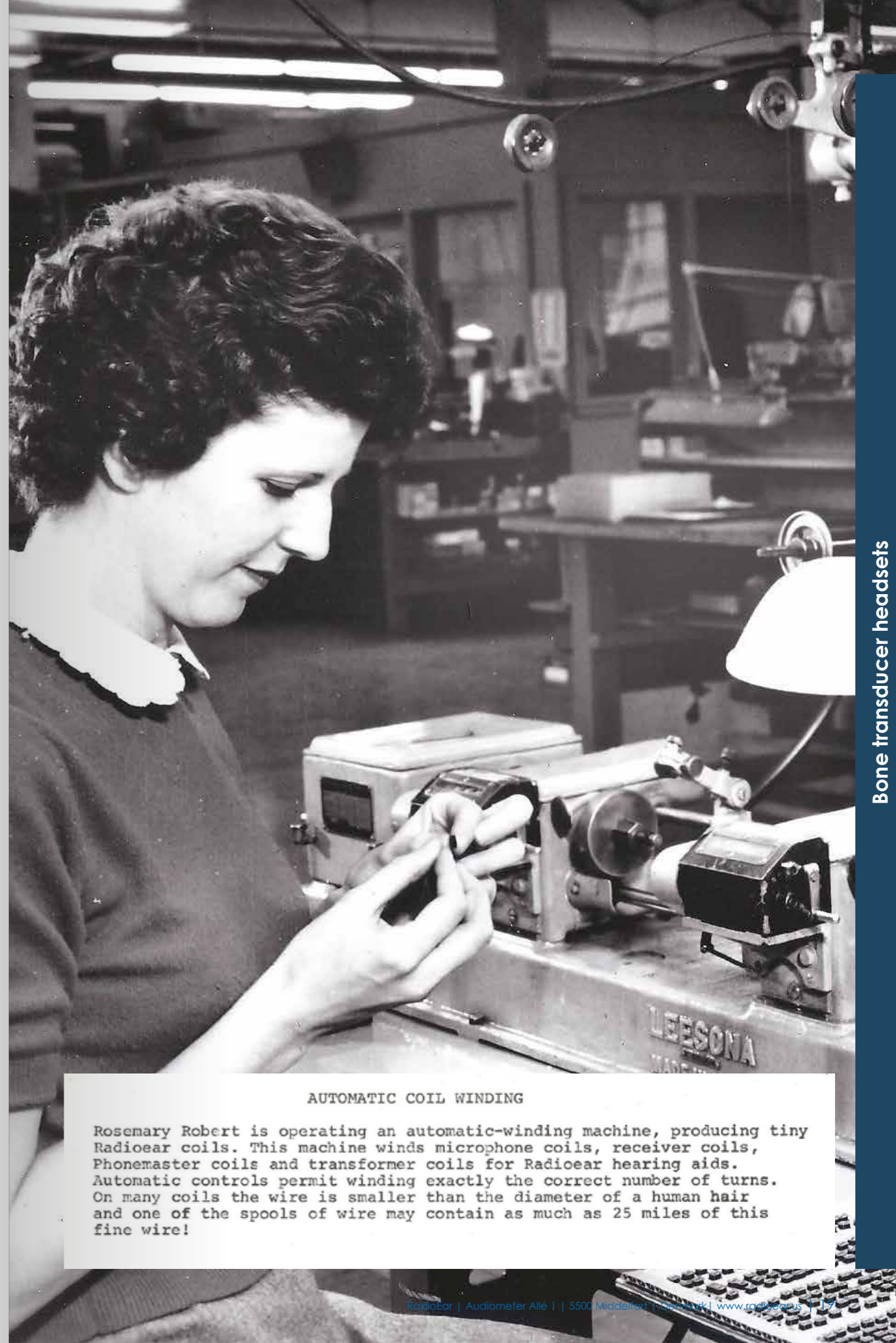
 Plug type: 30°, 1x 6.3 mm gold-plated mono jack

 Headband: P1188 AMBAND



10 pcs
AMBAND
bands

AMBAND
elastic headband
– for a perfect fit






AUTOMATIC COIL WINDING

Rosemary Robert is operating an automatic-winding machine, producing tiny Radioear coils. This machine winds microphone coils, receiver coils, Phonemaster coils and transformer coils for Radioear hearing aids. Automatic controls permit winding exactly the correct number of turns. On many coils the wire is smaller than the diameter of a human hair and one of the spools of wire may contain as much as 25 miles of this fine wire!

Bone transducer accessories and spare parts

B71 lead free std. bone transducer

Since its introduction in the 1970s the RadioEar B71 has been the bone transducer of choice for audiometric testing. In response to RoHS directive 2011/65/EU, which took effect in July 2014, RadioEar has developed the B71 bone transducer.


-  Reliable
-  RoHS compatible
-  Outstanding quality



P1001

#8506731

B71, 10 ohm bone transducer


 Ohm: 10 ohm



P1002

#8506732

B71, 50 ohm bone transducer

 Ohm: 50 ohm



P1003

#8506733

B71, 32 ohm bone transducer

Ω Ohm: 32 ohm



P1004

#8506734

B71, 100 ohm bone transducer

Ω Ohm: 100 ohm



P1005

#8506735

B71, 150 ohm bone transducer

Ω Ohm: 150 ohm



P1006

#8506736

B71, 300 ohm bone transducer

Ω Ohm: 300 ohm



B-81, 12.5 ohm high output bone transducer

The B-81 is an enhanced bone transducer which achieves higher output levels at low frequencies with a superior distortion performance. With the B-81 it is now possible, for example, to reliably measure bone conduction thresholds up to 50 dBHL at 250 Hz.

The B-81 is based on the Balanced Electro-magnetic Separation Transducer (BEST principle), where static forces are counter-balanced so that non-linear distortion forces are reduced and maximum output levels can be increased. Furthermore, the robust mechanical construction results in a significantly improved shock resistance compared to conventional designs.

The B-81 is compatible with all standard headbands and high quality cables. It also has the capability of using a custom cable designed to securely attach the plug to the transducer body. This safety feature eliminates the risk of accidentally unplugging the device while in use.

- Reliable
- Secured plug concept
- RoHS compatible

P2001

#8506737

B-81, 12.5 ohm bone transducer

Ω Ohm: 12.5 ohm at 1 kHz



P3333

#8507213

Headset for B71 & B-81



P3333C

#8506712

Covered headset for B71 & B-81



P1188

#8507214

AMBAND elastic headband

10 pcs.



P3288-1

#8504777

Replacement pad

10 pcs.



Cables for B71 and B-81

P3083

#8103211

Molded cord for B-81 and B71

- Cable length:** 79"/200 cm
- Plug type:** 3.1, straight, 1x 6.3 mm gold-plated mono jack



P3082

#8107612

Molded cord for B-81 and B71

- Cable length:** 79"/200 cm
- Plug type:** 3.1, 30°, 1x 6.3 mm gold-plated mono jack



P3081A

#8507183

Molded cord for B-81 and B71

- Cable length:** 112"/285 cm
- Plug type:** 3.1, straight, 1x 6.3 mm gold-plated mono jack



P3084

#8515713

Molded cord for B-81 and B71

- Cable length:** 79"/200 cm
- Plug type:** 3.1, straight, 1x 6.3 mm gold-plated mono jack



P3085

#8515712

Molded cord for B-81 and B71

- Cable length:** 79"/200 cm
- Plug type:** 3.1 with No Plug

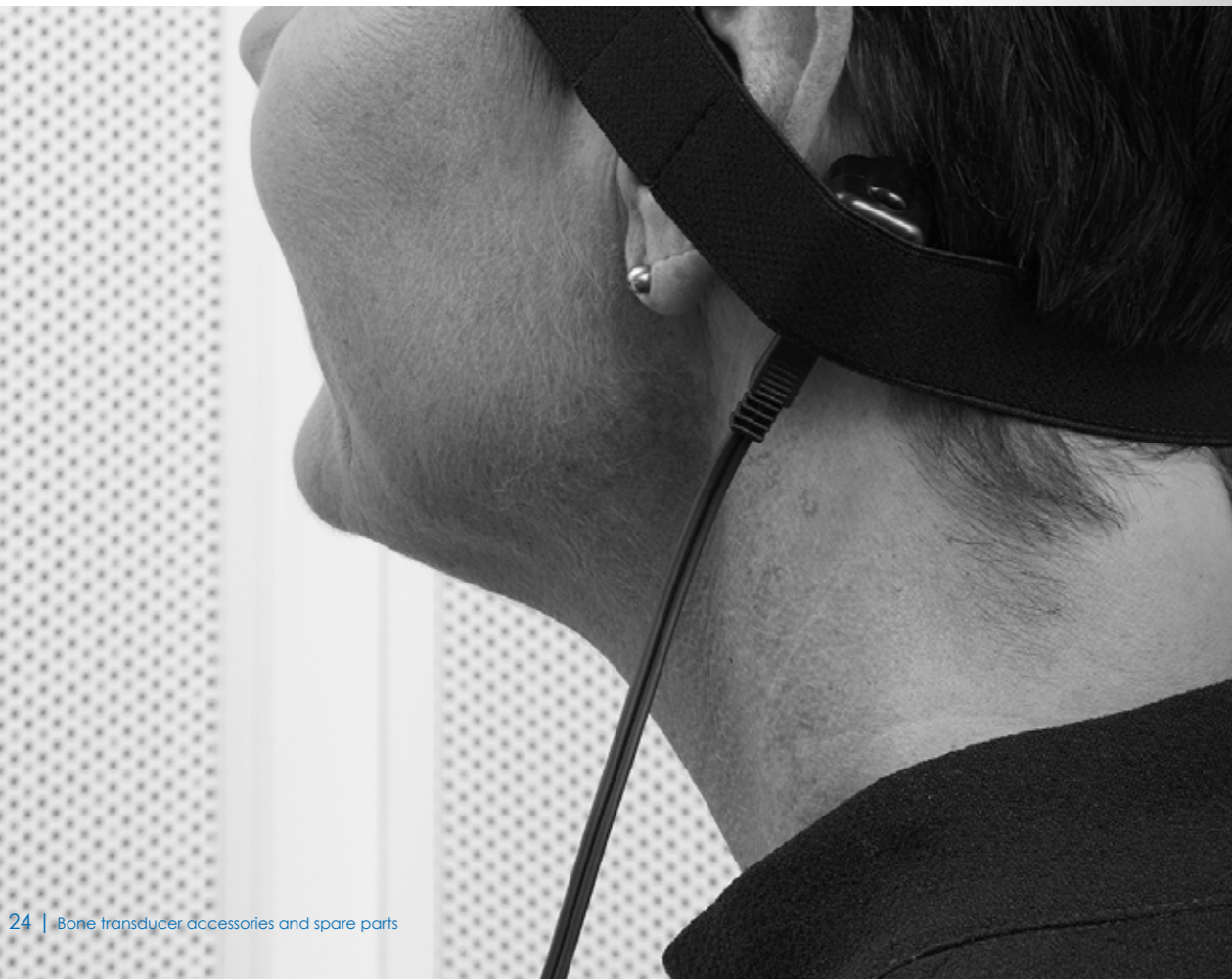


P3086

#8519444

Molded cord for B-81 and B71

- Cable length:** 79"/200 cm
- Plug type:** 3.1, 90°, 1x 3.5 mm gold-plated mono jack



Spare parts for no-safety pin bone conductors

P3027

#8507193

Molded cord for B71W

 Cable length: 79"/200 cm

 Plug type: No plug




P3027A

#8507202

Molded cord for B71W

 Cable length: 79"/200 cm

 Plug type: Straight, 1x 6.3 mm gold-plated mono jack




P3028

#8508473

Molded cord for B71W

 Cable length: 79"/200 cm

 Plug type: 30°, 1x 6.3 mm gold-plated mono jack



P3024

#8507184

Twisted Pair cord for B71W

 Cable length: 72"/183 cm

 Plug type: No plug

For B71W




P3024A

#8507187

Twisted Pair cord for B71W

 Cable length: 72"/183 cm

 Plug type: Straight, 1x 6.3 mm mono jack

For B71W




P3024D

#8507809

Twisted Pair cord for B71W

 Cable length: 72"/183 cm

 Plug type: 90°, 1x 6.3 mm stereo jack

Stereo
For B71W





Insert earphone transducer headsets

IP30 Insert earphone

The IP30 Insert earphone from RadioEar has been designed to meet the ISO 389-2 standard and matches the performance of the most popular insert earphones used in the industry today. These devices have proven to be quite accurate in a variety of testing conditions and are very effective in filtering out unwanted background noise. This makes them an ideal choice for non-ideal examination settings. Additionally the RadioEar IP30 Insert earphone does not require the use of bulky uncomfortable headbands.

The RadioEar IP30 Insert earphone is available in 10 ohm and 50 ohm impedances, as well as versions designed for use in AEP and contralateral applications.

- ✓ Ideal for testing in non-ideal surroundings
- ☾ Lightweight and compact
- 🌿 RoHS compatible

P5010

#8101884

IP30 Insert earphone

- Ω Ohm: 10 ohm
- 📏 Cable length: 2 m
- 🔌 Plug type: 30°, 2x 6.3 mm gold-plated mono jack



P5011

#8101891

IP30 Insert earphone

- Ω Ohm: 50 ohm
- 📏 Cable length: 2 m
- 🔌 Plug type: 30°, 2x 6.3 mm gold-plated mono jack



P5012

#8101892

IP30 ABR Insert earphone

- Ω Ohm: 50 ohm
- 📏 Cable length: 2.9 m
- 🔌 Plug type: 30°, 2x 6.3 mm gold-plated mono jack



P5040

#8108559

IP30 Contra Insert earphone

- Ω Ohm: 10 ohm
- 📏 Cable length: 2 m
- 🔌 Plug type: 30°, 1x 6.3 mm gold-plated mono jack



P5041

#8101894

IP30 Contra Insert earphone

- Ω Ohm: 10 ohm
- 📏 Cable length: 0.5 m
- 🔌 Plug type: Straight, 1x 3.5 mm gold-plated mono mini jack



P5013

#8514834

IP30 Insert Earphone

- Ω Ohm: 10 ohm
- 📏 Cable length: 5 m
- 🔌 Plug type: 30°, 2x 6.3 mm gold-plated mono jack



P5014

#8514909

IP30 Insert Earphone

- Ω Ohm: 50 ohm
- 📏 Cable length: 5 m
- 🔌 Plug type: 30°, 2x 6.3 mm gold-plated mono jack




Insert earphone accessories and spare parts

P5051

#8004432

IP30 Insert earphone cable

 Cable length: 2 m

 Plug type: 30°, 2x 6.3 mm gold-plated mono jack



P5052

#8107179

IP30 Insert earphone cable

 Cable length: 2 m

 Plug type: Straight, 2x 6.3 mm gold-plated mono jack



P5053

#8107359

IP30 Contra Insert earphone cable

 Cable length: 2 m

 Plug type: 30°, 1x 6.3 mm gold-plated mono jack



P5054

#8108193

IP30 Contra Insert earphone cable

 Cable length: 0.5 m

 Plug type: Straight, 1x 3.5 mm gold-plated mono mini jack



P5070

#8507327

IP30 Sound tubes incl. tube connectors

1 set.



P5072

#8507405

IP30 Sound tubes for the Sanibel™ Infant EarCup™

1 set.



P5074

#8507332

IP30 connectors

10 pcs in kit.



P5071

#8507328

IP30 Contra sound tube incl. tube connectors and ear tip adaptor

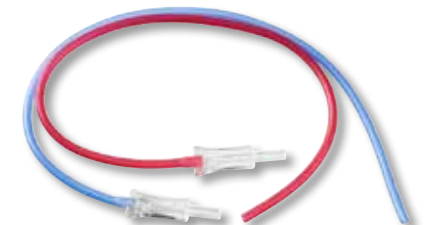


P5073

#8507406

IP30 Sound tubes for the Sanibel™ ADI ear tips

1 set.



P5075

#8507410

IP30 Fastener kit





Speakers & Amplifiers

SP85A

#8104162

Table Top Active Speaker

Thick MDF walls with internal bracing minimize unwanted resonance and distortion. Heavy internal sound-damping material is used to reduce unwanted sound reflections inside the cabinet. It has smooth cabinet edges, containing tuned front-port slots. Easily accessible ON/OFF switch on back and removable protective front cover.

Available accessories:

#8515346

SP85A Wall mount kit 1pcs.

#8515011

Wall mount kit for SP85A speaker; Sound room speaker



SP90

#8100693

Wall/Corner Mount Passive Speaker, pair

RadioEar brings you the compact audiometric speakers. With superb sound quality and specification, they will fit perfectly into your office or sound room environment. They have a robust and durable design with no compromise in style.



SP90A

#8104161

Table Top Active Speaker, pair

Thick MDF walls with internal bracing minimize unwanted resonance and distortion. Heavy internal sound-damping material is used to reduce unwanted sound reflections inside the cabinet. Easily accessible ON/OFF switch on back and removable protective front cover.

Available accessories:

#8506330

SP90A Speaker Mounting Kit



SP80

#8522465

Free Field White 4" Bookshelf speaker (pair)

The SP80 is a speaker specially designed to fit into the stylish environments of hearing aid dispenser clinics. The white casing and front cover ensures a neutral design, not taking away the attention from the clinician performing the test. The speaker fulfill the demands to free field speech testing in a hearing testing environment and is a great option in those cases where a setup is needing to support a certain style in an environment and an amplifier is already available from within the audiometer.



SP105

#8512371

High Performance Speaker

State of the art speaker system for audiometry threshold testing. The SP105 speaker is specifically designed to meet your uppermost demands for free field audiometry testing. It shows outstanding performance, especially with the RadioEar AP70 amplifier, where it will reach 127 dB SPL at 1 kHz with a distortion level less than 1%.



Free Field Amplifier

A small, stylish and lightweight audiometry amplifier with the heavyweight performance. Class leading fidelity – thanks to innovative input circuits and ‘hum’ elimination. It has multiple input options providing interfaces to all standard audiometer outputs. It is remote controlled on/off from the audiometer.



Miscellaneous

P7700

#8505952

EMS400 Electret microphone

 **Cable length:** 1.5 m


 **Plug type:** 30°, 1x 6.3 mm gold-plated stereo jack




P7710

#8505949

EMS400 Electret microphone mini jack

 **Cable length:** 1.5 m

 **Plug type:** Straight, 1x 3.5 mm gold-plated stereo mini jack



Improve Quality

RadioEar's wide-range of product offerings includes a full line of audiometric transducers and accessories.

RadioEar's bone transducers have survived the test of time. For nearly a century, RadioEar transducers have been recognized world-wide for their enduring value. With our expanding product line, RadioEar customers now enjoy the convenience and savings of buying audiometric transducers and a complete line of compatible accessories from a single reliable source. Our customer care team is skilled in managing international sales and serving both large and small customers alike.



RadioEar's attention to quality and commitment to customer satisfaction has made RadioEar products a favorite of audiometer manufacturers around the globe since 1950.

Nearly a century of innovation and evolution

with a constant focus on the needs of the audiology community

RadioEar was founded in June 1924 by Edward A. Myers. Known as 'E.A.' to his employees and associates, Myers began his career in 1896 as an attorney in Indiana and had become an exceptionally trial lawyer when he developed a serious hearing impairment shortly after the turn of the century. The hearing loss prevented him from continuing as a lawyer, so he entered and successfully pursued another field, that of engine manufacturing, including the manufacturing of the 'Great Western' automobile.

E. A. moved to Pittsburgh in 1912 and was exposed to the first broadcasting in the world from radio station KDKA. Unfortunately, his hearing loss prevented him from being able to hear anything at all on the 'crystal' set. E. A. and a

Westinghouse engineer, George F. Harrington, then built a vacuum tube radio that was six feet long and powered by automobile batteries providing a total of 135 volts.

Using a headset, E.A. listened to the June 25, 1924 broadcast of the National Democratic Convention ; he was able to hear the broadcast very well and the concept of RadioEar was born. The first 185 lb. cabinet model hearing aid was completed by September 15, 1924 and was called RadioEar. Samuel F. Lybarger, son-in-law of E. A. Myers, joined the company in June 1930. Sam was the chief engineer for RadioEar from then until his retirement in 1973. Sam was a leader in the field of hearing health care, wrote many articles and held many patents.

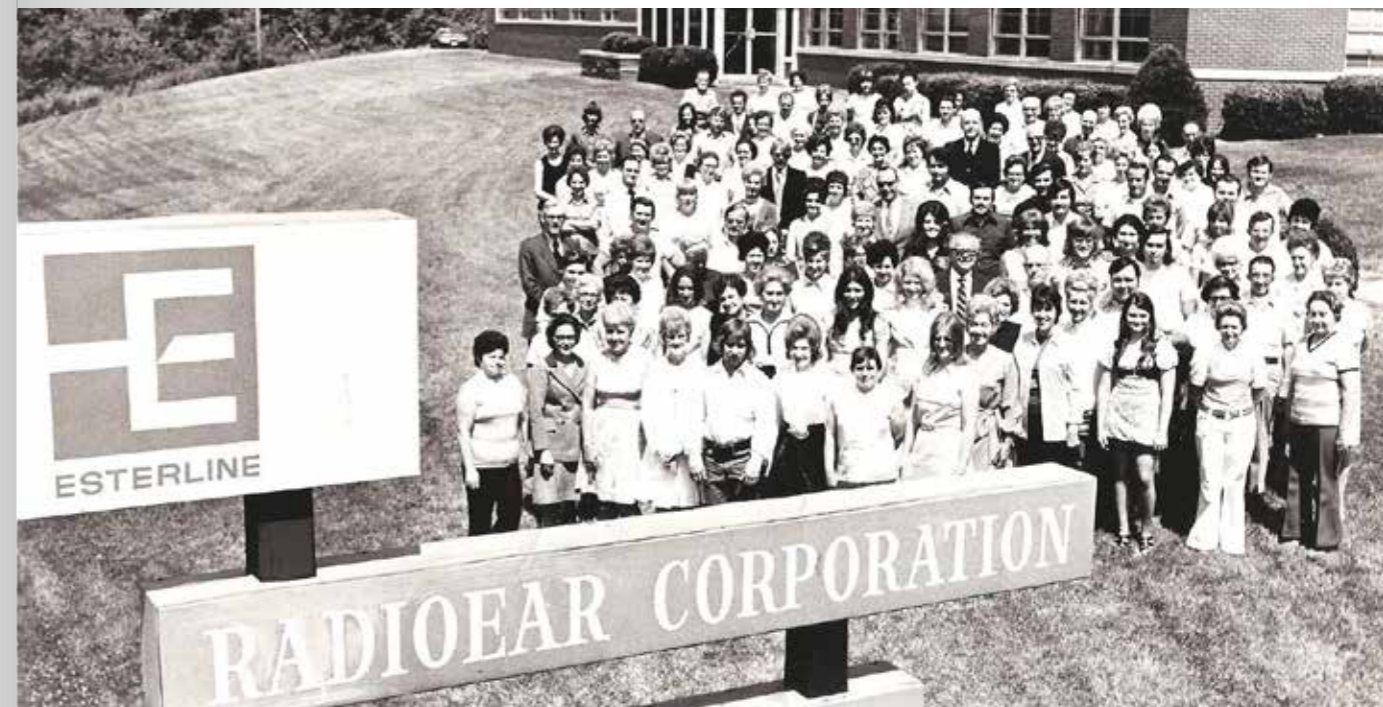
RadioEar introduced the first magnetic

microphone for use with hearing aids in 1946. Sam Lybarger invented the bone conduction transducer in 1948-49, with the first sales in 1950. The model B71 bone vibrator was introduced in 1973 and has remained the accepted standard of the industry.

RadioEar was sold to Esterline Corporation in 1970 and then sold on to Page Mill I in 1978. Three long-time employees of RadioEar, Harold Holsopple, Walter Piroth and Andrew Kriceri purchased RadioEar in 1982. RadioEar ceased the manufacturing of hearing aids in the mid 1980s and concentrated on the production and sale of bone vibrators. The primary use of the RadioEar B71 bone vibrator was with audiometers in diagnostic testing.

While continuing to produce the world's dominant bone conductor, RadioEar has constantly sought out new technologies to enhance their transducers. This search has, for example, resulted in a very fruitful collaboration which led to the introduction of the B-81 to the RadioEar portfolio. The balanced armature of the B-81 permits higher output levels at low frequencies with less distortion.

From 2000 and onwards, RadioEar has been able to benefit from even greater partnership opportunities leading to recent expansion of the RadioEar product line which now includes air transducers, headsets, insert earphones and speakers.



Services

Our customer care team is skilled in managing international sales and serving both large and small customers alike.



Worldwide delievery


We ship worldwide every day and most orders are shipped on the same day.




Helpdesk

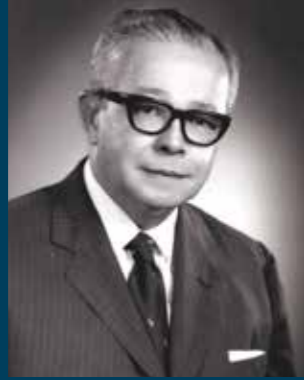
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“Quality of service is just as important
as quality of product”

E. A. Myers, Founder, RadioEar



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