



Bio-logic
– the next
generation

Diagnostics made easy – 2-in-1 OAE and audiometry

Bio-logic® AuDX® PRO



otometrics
a division of natus

OAE testing (and more) at your fingertips

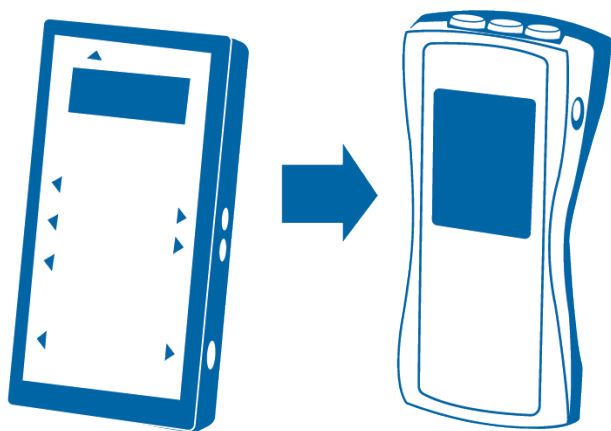
Bio-logic® AuDX PRO® is a versatile Otoacoustic Emissions (OAE) solution by Otometrics with diagnostic testing. Add audiometry for an all-in-one assessment solution.

Legendary reliability in a handheld device

Bio-logic AuDX PRO is a modular, handheld diagnostic OAE device from Otometrics designed to suit your needs and enhance your diagnostic tool box. It features modular test options for diagnostic audiometry—configurable to access two tests in a single device. The use of innovative, state of the art technology improves speed, accuracy and efficiency. Noah-compatible via Bio-link software.

The Bio-logic legacy lives on

For decades, Bio-logic AuDX has been the trusted brand by audiologists and professionals for reliable testing. Today, Otometrics reintroduces the next generation Bio-logic AuDX PRO powered by advanced technology and brand you trust in a sleek, new design.



Contact your local Otometrics representative for a product demonstration. Or, visit otometrics.com/biologic for more information.





Convenient, single-touch “child mode” feature for optional OAE testing starts an entertaining animation to keep the child engaged and quiet during the test.

Reliable results when you need it most

Designed with the professionals’ daily work in mind, the new Bio-logic AuDX PRO include adaptable functionality for screening and diagnostic testing. It features several customizable pre-sets for diagnostic settings with different parameters. Enhanced OAE test features include:

- Scissor Paradigm varies the intensity difference between the two stimuli to maximize response amplitude
- Simultaneous multi-frequency OAE
- FMDPOAE™– frequency modulated DPOAEs
- Customizable DPOAE protocols allows you to get as much inter-octave information as needed (up to 30 points/octave)
- Optional DPOAE Hearing Threshold Estimation software, providing an objective cochlear audiogram
- Optional second probe for simultaneous bilateral OAE testing
- Transient Evoked Otoacoustic Emissions (TEOAE)
- Child-mode feature for cartoon animation to keep the child engaged and quiet during the test



Refined audiometry features include Pure Tone audiometry to 16 kHz as well as Bone Conduction and speech audiometry (live voice and recorded).

Inspired by the way you work

Bio-logic AuDX PRO is designed for testing patients of all ages. Modular test options allows you to add audiometry—resulting in multiple tests in a small package. Customize tests to meet your needs with these modular combinations:

- Screening OAE
- Diagnostic OAE
- Screening Audiometry
- Diagnostic Audiometry



Optional second probe allows for simultaneous bilateral OAE testing.

Product specifications

General Specifications	Bio-logic AuDX PRO
Device classification (93/42/EEC) Device classification (MDR Canada)	Class II a Class II
Application part classification Application parts	Type BF (body floating) Headphones, insert earphones, ear probe, bone conductor, patient response button
Ingress protection rating (IP code)	IP30
Applied standards	DIN EN ISO 389-1, DIN EN ISO 389-2, DIN EN ISO 389-3, DIN EN ISO 389-4, DIN EN ISO 389-5, DIN EN ISO 389-8 (transducer calibration), DIN EN ISO 10993-1 (biocompatibility), DIN EN ISO 15223-1 (manual), DIN EN 60601-1 (electrical safety), DIN EN 60601-1-2 (EMC), DIN EN 60601-1-4 (PEMS), DIN EN 60601-1-6 (usability), DIN EN 60645-1 (pure-tone audiometry), DIN EN 60645-6 (OAE), DIN EN 62304 (software lifecycle)
Device dimension	ca. 209 x 98 x 52 mm, 8.2 x 3.8 x 2.0 inches
Device weight (including battery pack)	ca. 500 g, 17.6 oz
Display properties	240 x 320 pixel, graphic LCD, resistive touchscreen (can be used with gloves) Size: 3.5"
Maximum power consumption	2 W
Input rating of power supply units	Sinpro MPU12C-104: 100-240 V, AC, 47-63 Hz, 0.16-0.29 A Sinpro MPU16C-104: 100-240 V, AC, 47-63 Hz, 0.18-0.33 A Friwo FW7662M/12: 100-240 V, AC, 50-60 Hz, 0.15 A
Output rating of power supply units	9V, 1.2 A
Rechargeable battery pack	4.8 V (NiMH)
Maximum operating time with fully charged batteries	ca. 6 - 8 hours (dependent on usage)
Maximum charging cycles	500 – 1000 (life time > 2 years for normal usage)
Maximum charging time	ca. 2 hours
Available Modules	Screening and diagnostic DPOAE, screening and diagnostic TEOAE, binaural OAE, screening audiometry (air), diagnostic extended high-frequency audiometry, diagnostic audiometry (air, air/bone, air/bone/speech), MAGIC.

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