



Bio-logic

– the next
generation

All-in-one tympanometry, OAE and audiometry

Bio-logic® AuDX PRO FLEX®



otometrics
a division of natus

Everything you need at your fingertips

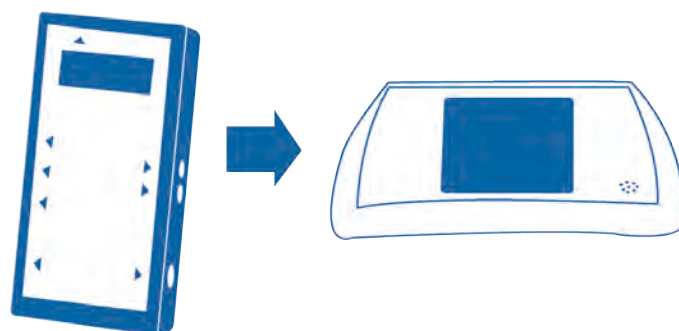
Bio-logic® AuDX PRO FLEX® is the most versatile testing solution by Otometrics that combines Tympanometry, Otoacoustic Emissions (OAE), and Audiometry in one handheld device.

Legendary reliability in a portable device

Bio-logic AuDX PRO FLEX is a flexible tabletop device from Otometrics offering screening or diagnostic acoustic immittance. It is battery-operated, lightweight and portable allowing for easy transport to the patient or various locations. Noah-compatible via Bio-link software.

The Bio-logic legacy lives on

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



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



Inspired by the way you work

Bio-logic AuDX PRO FLEX is designed with your patient needs in mind. Modular test options allow you to add OAE and/or audiometry—resulting in multiple tests in one single device. No other desktop device offers these tests in one unit. Customize tests to meet your needs with these modular combinations:

- Screening tympanometry
- Diagnostic tympanometry
- Screening audiometry
- Diagnostic audiometry
- Screening OAE
- Diagnostic OAE



Light on probes provide a visual probe status during testing.



The optional OAE module includes a single-touch “child mode” feature with an engaging cartoon—making it easier for the child to remain calm while testing.

Reliable results when you need it most

The Bio-logic AuDX PRO FLEX brings you advanced features to meet your patient care needs for screening and diagnostic tympanometry, audiometry, and DPOAE. Enhanced test features include:

Tympanometry	OAE	Audiometry
<ul style="list-style-type: none"> • Diagnostic tympanometry includes ETF for PE tubes and intact tympanic membrane • Diagnostic tympanometry includes multi-frequency probe tone (226, 660, 800 and 1000 Hz) • On-screen 3D tympanogram image 	<ul style="list-style-type: none"> • Pressurized OAEs • Binaural stimulation allows testing of both ears simultaneously • Scissors Paradigm varies the intensity difference between the two stimuli to maximize response amplitude • Simultaneous multi-frequency OAE • FMDPOAE provides a more robust response • Optional DPOAE estimation of behavioral threshold • Entertainment value with engaging cartoon feature to reduce squirming while testing 	<ul style="list-style-type: none"> • Diagnostic audiometry with air, bone and speech (live and recorded) • Modular platform option includes audiometry testing up to 16 kHz

Product specifications

General Specifications	Bio-logic AuDX PRO FLEX
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)	IP40
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 60645-5 (tympanometry), DIN EN 60645-6 (OAE), DIN EN 62304 (software lifecycle)
Device dimension	ca. 150 x 210 x 45 mm, 5.9 x 8.2 x 1.8 inches
Device weight (including battery pack)	ca. 475 g, 16.7 oz
Display properties	240 x 320 pixel, graphic LCD, resistive touchscreen (can be used with gloves) Size: 5.0"
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	9-12 V, 0.4 A
Rechargeable battery pack	3.7 V Li-Ion
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. 8 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, diagnostic tympanometry, screening ipsilateral or contralateral tympanometry, Eustachian tube functionality test.

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