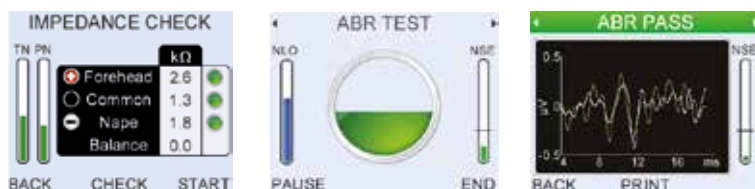


Otocheck ABR

for infant hearing screening



Screening with Confidence



- Fast Automatic Pass/Refer
- Advanced analysis of impedance noise
- Powerful Otolink data management suite

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Otodynamics
Audiology Systems

Features

The Otodynamics Otocheck ABR is a new handheld screening instrument offering a combination of in-depth ABR screening. The instrument comprises an Otocheck in an ABR shell.

ABR Functions - Inspired by JCiH's concerns

- Short Chirp stimulation via OAE probe at ~55/s
- Screening levels 30 to 45dBnHL
- In situ stimulus calibration
- Pre-test physiological and powerline noise analysis
- Helpful on-screen guidance based on test conditions
- Individual electrode impedance analysis
- Weighted averaging for noise management
- Intelligent powerline interference rejection
- Automated ABR identification using Fsp
- ABR confirmation with configurable template
- ABR waveform and test history for audit

General Functions

- Light, portable with long battery life
- Easy to use intuitive graphic display and controls
- Customisable testing protocols
- 500 test database storing name, date of birth, gender, location and notes
- Work list facility
- Otolink PC software response and waveform viewer
- Data backup to PC
- Facility for user login with password protection
- Administrator and User access levels
- Battery charge indicator and condition gauge
- Recharge via charger or PC
- Stimulus and noise indicator lights
- Hot keys, cursor keys and full alphanumeric keyboard
- Configurable display backlight, contrast and sound
- Simple or detailed print options

Quality Checks

- Probe QA checks
- Self test of ABR electronics
- QA test history viewing
- Electrode cable continuity test

Options

- Wireless connectivity
- Linear barcode
- RFID scanner

Otodynamics reserves the right to change specifications and appearances as part of its commitment to product improvement

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Accessories



Equipment case



Electrodes



Probe



Probe tips



Wireless battery printer (optional)



Probe pouch



Test cavity



Probe cable clip



Charger



Infection control sleeve

Otolink PC software



Technical Specifications

Dimensions: 278mm x 84mm (widest point, 66mm at handgrip) x 66mm (11in x 3.3/2.6in x 2.6in)
Weight: 490g.
Interfaces: Data connector to USB 1.1/2.0 PC or Otodynamics PSU.
Probe connector: 8-pin Otodynamics UGS UGD probes.
Output: 2 x 16bit analogue. Input 1 x 16bit resolution.
Amplification frequency response: ABR 30-1000Hz.
Database: Non-volatile secure memory.
Keyboard: 19 key alphanumeric with cursor control and soft keys.
Power: Internal Lithium polymer 1000Ah. 3hours to charge 90%.
Intelligent management: charging/testing/idle/sleep/shutdown.
Usage: 250 OAE tests or 100 ABR tests per charge, 8hours typical use, 1 week intermittent use
Hardware options: Wireless printing, RFID or Barcode scanning.
Environmental: Transport and storage, 0-40 deg C. 23 to 101KPa. 10% to 90% humidity noncondensing.
Operation: Indoor use. 5-40 deg C., 80% max humidity up to 31 deg C decreasing linearly to 5% RH at 40 deg C.
Classifications and standards: Device Class 2a (Directive 93/42/EEC). BS EN ISO 13485:2001. ISO 14971. BS EN 60601. 60645-6:2010, 60645-7:2010, UL 60601-1. CSA-C22.601.