

# Otoport OAE+ABR

for infant screening



## The Perfect OAE+ABR Combination

- Otodynamics ABR screening technology
- Gold standard OAE screening and analysis
- Upgrade existing Otoport with the ABR sleeve\*

\* Ask your dealer for details

 **Otodynamics**  
Audiology Systems



# Features

*The Otodynamics Otoport OAE+ABR Lite is a new handheld screening instrument offering a combination of in-depth ABR and either DPOAE or TEOAE screening. The instrument comprises an Otoport Lite in an ABR sleeve. The ABR sleeve can be purchased separately and fitted retrospectively to upgrade existing Otoports\*.*

## **ABR Functions**

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

## **OAE Functions**

- Automated OAE screening
- Automatic probe fit and noise analysis
- Configurable pass criteria
- SNR on 2, 3 or 4 frequencies
- DPOAE model 2-6kHz 4 frequencies
- TEOAE model 1-4kHz 5 half-octave bands

## **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 and notes
- Work list facility
- Otolink PC software with response and waveform viewer
- Data backup to PC
- Facility for user login with password protection
- Admin 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 and OAE electronics
- QA test history viewing
- Electrode cable continuity test

## **Options**

- Wireless connectivity
- Linear barcode
- RFID scanner

\*ABR upgrade for Colour Otoport available now.  
Check with your dealer for availability for black & white model

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



# Screening with Confidence

**1 SELECT TEST TYPE**

Either ABR or OAE automated screening can be selected through the intuitive menu options.

**2 INFORMATIVE SCREENS**

The pre-Test screen monitors powerline interference and infant noise. Individual electrodes are highlighted if their impedance is too high, or if their balance is poor

**3 'IN THE EAR' CALIBRATION**

Every test starts with automated 'in the ear' calibration ensuring accurate results

**4 CLEAR TEST PROGRESSION**

Rich data and open decision process provides confidence in ABR measurements

**5 FAST, AUTOMATED RESULTS**

Unique combination of Fsp and Template analysis securely identifies genuine ABRs providing clear, reliable and trusted results



## Otolink

### Data Management Suite

Downloading result wirelessly or via USB the Otolink suite manages your data easily and efficiently

Test details can be quickly reviewed, printed and archived.

Data can be exported. For example to Oz, Hi Track or Noah in the Americas.

Printing directly to PDF files is available

The Otoport suite also provides patient work list upload facility



# Accessories Included



Equipment Case



Electrodes



Starter Pack



OAE Probe



Probe Cable Clip



Probe Pouch



Probe Tips



Test Cavity



Charger



Infection Control Sleeve



Wireless Battery Printer (optional)

## Also included as standard:

- Otolink Software
- User Manuals
- Download Cable

## 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: OAE 160Hz to 12KHz, 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, 8 hours 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.



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