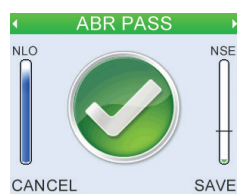
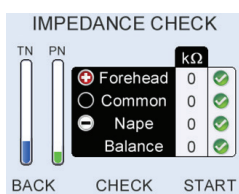
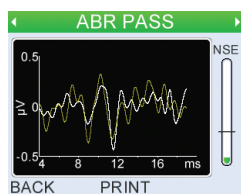


# Otoport OAE+ABR

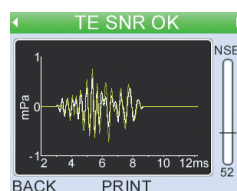
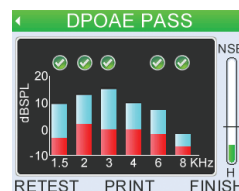
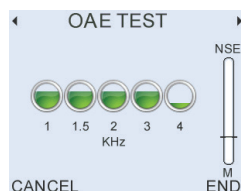
for the clinic



Clinical OAEs with ABR screener



- Automated OAE+ABR all-age screener
- Gold standard DPOAE & TEOAE analysis
- Choose Otoport DP+TE or Advance



ABR sleeve adds ABR to your existing Otoport

t: +44 (0)1707 267540  
e: sales@otodynamics.com  
www.ABRotoport.com



**Otodynamics**  
Audiology Systems

# Features

The Otodynamics OAE+ABR is a new handheld instrument for the audiology clinic offering detailed DPOAE and TEOAE analysis plus in-depth ABR and OAE screening.

The instrument comprises an Otoport DP+TE or an Otoport Advance enclosed in an ABR sleeve. The ABR sleeve can be purchased separately and fitted retrospectively to upgrade existing DP+TE and Advance color Otoports.

## ABR Functions

- Short Chirp or Click stimulation via OAE probe at 55/s (approx.)
- Stimulus levels 30 to 45dBnHL screening (max 60dBnHL)
- 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
- Automatic ABR identification using Fsp statistics
- ABR confirmation with configurable template
- ABR waveform capture and display
- Full test history archiving for audit

## OAE Functions

- Fast automated OAE screening
- Automatic probe fit and noise analysis
- Configurable pass criteria
- 2, 3, 4 or 5 frequency DPOAE pass
- 2, 3 or 4 half-octave band TEOAE pass
- Signal and noise histogram with band pass indicators
- Configurable 12 point DP-gram 1-8kHz
- Four test modes
- TEOAE Quickscreen 1-4kHz
- TEOAE waveform
- Advance model only:
  - Spectrum analysis
  - DPOAE zoom analysis, 16pts/octave
  - DP I/O growth and macro-multi test
  - TEOAEs 1-6kHz, six half-octave bands

## General Functions

- Light, portable with long battery life
- Easy to use intuitive graphic display and controls
- Customisable testing protocols
- 1000 test database (5000 searchable on Advance model)
- Worklist facility
- Otolink PC software response and waveform viewer
- Data backup to PC
- Facility for user login with password protection
- 2 level access permissions
- Charge indicator and condition gauge
- Recharge via charger or PC
- Stimulus and noise indicator lights
- Hot keys, cursor keys and full alphanumeric keyboard
- Configurable LCD backlight, contrast and sound
- Simple or detailed print options

## Quality Checks

- Probe, cavity, occlusion and real ear test QA checks
- Self test of ABR and OAE electronics
- QA test history viewing
- Electrode cable continuity

## Options

- Wireless connectivity
- Linear barcode
- RFID scanner

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

# Accessories



Equipment case



Electrodes



DPOAE probe



Wireless battery printer (optional)



Probe tips



Probe pouch



Test cavity



Probe cable clip

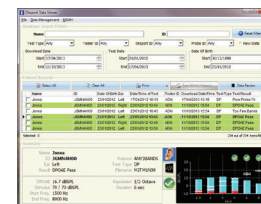


Charger



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: 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, 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.

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