

# Otoport Lite

TEOAE  
or  
DPOAE



- A simple to use newborn and paediatric screener with an intuitive interface
- TEOAE or DPOAE models available
- Automatic pass/refer, low cost consumables and long battery life make this the ideal OAE screener

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# Otoport Lite Features

The Otoport Lite is a simple to use handheld OAE system with an intuitive interface, offered with either TEOAEs for newborn hearing screening or DPOAEs for both newborn and paediatric hearing screening. Automatic pass/refer, low cost consumables and long battery life all make it the ideal way to screen with OAEs.

## Choice of 2 Screening Models

- **TEOAE model** for infant screening, 1-4kHz Quickscreen 5 frequency bands, with 3 screening modes or
- **DPOAE model** for paediatric screening, 2-6kHz 4 frequency points

## Operation

- Easy 'press-and-go' operation. Pass-refer result
- Fast, noise-resistant mode
- Intuitive graphic display shows signal to noise progress
- Unique graphical indication of probe fitting (checkfit)
- Choice of overall or frequency band displays
- Alerts to poor probe fit, high noise level and ringing stimulus
- Long battery life - up to 250 test cycles or one full working week
- Battery level and charging indicators
- Charging cradle and docking station options

## OAE Pass Criteria

- TEOAE model - configurable pass criteria of 6dB SNR in 2, 3 or 4 half-octave bands (1-4kHz) or whole response, wide or narrow bandwidth
- DPOAE model - configurable pass criteria of 6dB SNR at 2, 3 or 4 frequencies (2-6kHz)
- Optimized paediatric mode

## Database

- Provides on-screen test result summary table
- Holds the last 500 tests listed in chronological order  
Stores Patient ID, name, date of birth, gender, notes, location, facility and patient status
- Work-list function for pre-entry
- Integral ID chip reader or barcode scanner options (at time of order)

## Quality Assurance

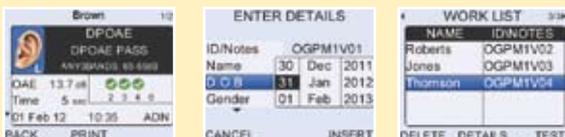
- Probe test function and ID tracking
- Whole system power-on self test
- User login and password protection if required
- Proven Otodynamics OAE technology

## Printing from Otoport Lite

- Fast print time, numerical and band pass data
- Automatic print-on-connect mode
- Wired or wireless options (at time of order)

## PC software

- Automated USB data transfer to Otolink PC software
- Uploads firmware updates to Otoport Lite
- Otolink provides record review, management, printing, archiving
- Archives include detailed ILO format OAE data



Otolink PC software and download cable



Infection control sleeve (shown fitted)



Wireless or wired battery printer (optional)



Full docking station, connects to printer, PC and charger (optional)

# Accessories

## Technical Specifications

**User interface:** Display: 65K color LCD, QVGA resolution.

Input: Alphanumeric keypad with cursor control and menu softkeys.

**Languages:** English, Spanish, French, Turkish, Portuguese, Italian, German.

**Test capacity:** More than 250 test cycles or one full working week (typical use). 4GB non-volatile memory.

**Hardware options:** Wireless printing/internal barcode reader/RFID scanner.

**Data acquisition:** Analogue interface: 2 x 16bit (output) and 1 x 16 bit (input) channels. **Frequency response:** 160Hz to 12KHz (electrical).

**Electrical interfaces:** Probe connector (Otodynamics 8-pin). Data/charge connector - USB 1.1/2.0 compatible PC connection for data and charging, also accepts Otodynamics PSU.

**Power:** Internal rechargeable 3.7v, 1000mAh lithium-polymer battery.

**Charge time:** 3 hrs to 90%. Approx 4 hrs to 100% capacity. Intelligent multi-level power control. **Maximum power use:** Testing - 630mW. Charging - 2.5W.

**Dimensions:** 7.6" x 2.7" x 1.2" (195mm x 70mm x 30mm).

**Weight:** 7.5 oz (214 g). **Operating environment:** For indoor use at 41 to 104°F (5-40°C). Max humidity 80% up to 88°F (31°C) decreasing linearly to 5% RH at 104°F (40°C). **Transport and storage environment:** 32-104°F (0°C to 40°C).

**Pressure range:** 23-101KPa. **Humidity:** 10% to 90% non-condensing.

**Classifications and standards:** Device Class 2a (Directive 93/42/EEC).

ISO 13485. ISO 14971. BS EN 60601. UL 60601. CSA-C22.601.

(Features and Specifications subject to change)

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