

# Otoport Advance



Advanced clinical OAEs • DP Zoom up to 16 pts/octave



- Clinical quality OAE measurements with advanced data analysis and management
- Ideal for all clinical and screening applications and advanced diagnostic testing
- All the power of a PC OAE analyzer in a handheld
- The result of 25 years of evolution from the company which introduced OAEs to the world



Read more at [www.otodynamics.com/OtoportAdvance](http://www.otodynamics.com/OtoportAdvance)

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 **Otodynamics**  
Audiology Systems

# Otoport Advance Features

Otoport Advance is a handheld clinical instrument delivering quality OAE measurements and analysis, satisfying CPT codes 92588, 92587 and 92558.

## Optimal design

- Ergonomic handheld format
- Large, clear, detailed, color graphic and numeric data displays
- Over one week of typical use battery life. Charge status indicators
- Intuitive menu driven operation via keypad
- Extensive protocol control with login and administrator functions
- Automatic or manual test settings
- Configurable automatic test termination based on signal quality or clinical pass criteria
- Powerful multi-processor internal architecture

## OAE capabilities

### DPOAE

- Advanced DPgram 1-8kHz, 2-16 pts/oct, 1-13 frequencies
- Standard DPgram 6 pts, 1-8kHz, 2 pts/oct
- DP Zoom down to ½ octave band with up to 16 pts/oct resolution
- Programmable DP f1 and f2 stimulus levels, 40-75 dB SPL
- DP growth I/O function analysis, dB/dB and scissor modes
- Intelligent or manual test progress management for fast testing

### TEOAE

- Quickscreen with 'ILO' analysis
- Waveform display, dB SPL, SNR and Repro
- Frequency analysis 1-6kHz, 6 bands, ½ octave analysis
- High resolution spectrum (80Hz bandwidth)

### TEOAE + DPOAE

- Programmable test macro and automatic OAE monitor
- Customizable normative range display markers
- Powerful noise artefact rejection tools
- 12 Test modes, 10 fully configurable - including mode names
- Unique real-time probe check-fit accuracy displays

## Onboard data management

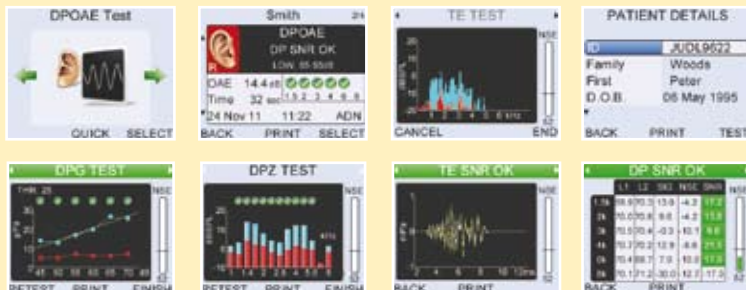
- Raw data recall and compare
- Patient data entry on illuminated keypad
- Extensive 5000 tests and 1000+ name record database, searchable by name, ID, date, tester DoB

## Advanced data analysis and management

- USB transfer to PC for full ILO-V6 software analysis and tracked integration into Echoport V6 database, exporting to OZ, Hitrack, ASCII, XML, archive

## Hardware facilities

- Docking station with PC, printer and PSU inputs
- Optional wireless printing, barcode scanning and RFID tag reader
- Fully updateable firmware from PC
- Power-on self test and probe calibration test functions
- For contract users or with volume purchases, there are additional chargeable expansion options, e.g. modem or web services



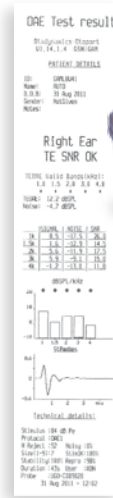
# Accessories



Otoport case



Full docking station, connects to printer, PC and charger



Wireless battery printer (optional)



Probe pouch



TEOAE / DPOAE probe



Test cavity



Probe cable clip



Solid or foam probe tips



Infection control sleeve (shown fitted)



Charger



Otolink PC software and download cable



Integral barcode ID reader (optional)

**PC Software**  
Detailed color displays. Stored data transferable for offline review and analysis with ILOV6 PC software (included).



NB: PC not included

## Technical Specifications

**User interface:** Display: 65K color, high resolution. Input: Alphanumeric keypad with cursor control and menu softkeys. **Test capacity:** More than 250 test cycles or one full working week (typical use). **Memory and storage:** More than 5000 test records. 1024 patient records. **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. Optional wireless interface to Otodynamics printer. **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 - 1000mW. 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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