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
USA 1 800 659 7776 • International +44 1707 267540 • email sales@otodynamics.com
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 DPogram 1-8kHz, 2-16 pts/oct, 1-13 frequencies
- Standard DPogram 6 pts, 1-8kHz, 2 pts/oct
- DP Zoom down to 1/2 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, 1/2 octave analysis
- High resolution spectrum (60Hz 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 DeB

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 options
- 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

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

Accessories
- Otoport Advance case
- Wireless battery charger (optional)
- Probe pouch
- TEOAE / DPOAE probe
- Test cavity
- Probe cable clip
- Otolink PC software and download cable
- Solid or foam probe tips
- Integral barcode ID reader (optional)

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.

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 - 100mW. 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 85% up to 89°F (31°C) decreasing linearly to 5% RH at 104°F (40°C).


(Features and Specifications subject to change)

Otodynamics Ltd.
30-38 Beaconsfield Road Hatfield Herts AL10 8BB UK
tel 1 800 659 7776 email sales@otodynamics.com
www.otodynamics.com/OtoportAdvance