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
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 1/8 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, 2 bands, 1/8 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 Echopport 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

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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.

Data analysis: Frequency response - 160Hz to 12kHz (electrical).

Electrical interfaces: Probe connector (Otodynamics 8-pin). Data/charge connector - USB 1.1/2.0 compatible.

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: 90mm x 28mm x 75mm.


(Features and Specifications subject to change)

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