

Otocheck Screener

DPOAE

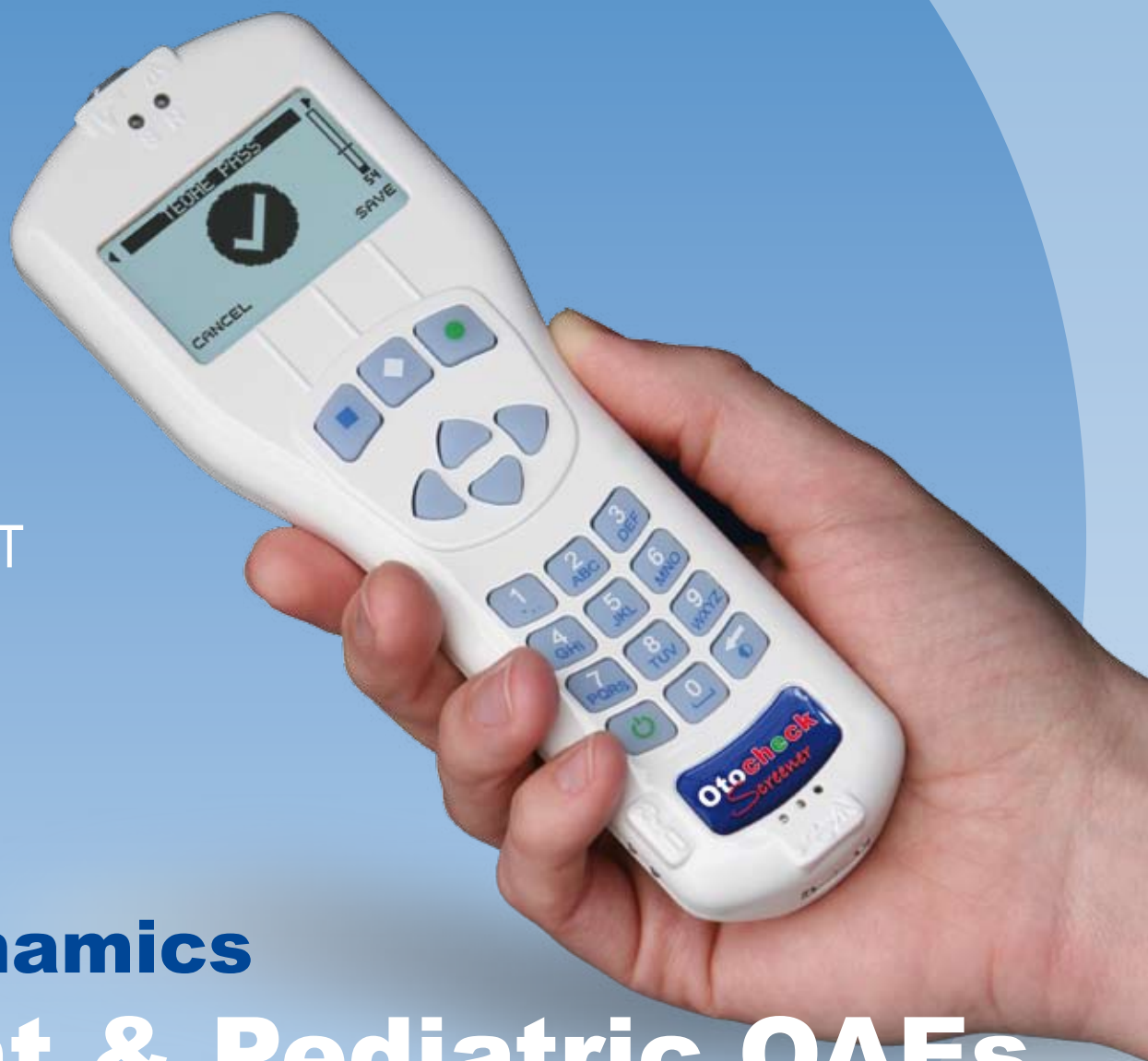
model

now available for

ULTRA-FAST

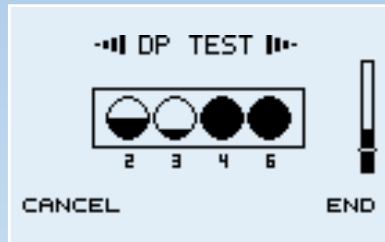
Pediatric

Screening



Otodynamics

Infant & Pediatric OAEs



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Features

Choice of 2 Screening Models

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

Operation

- Fast, noise-resistant OAE recording
- Easy 'press-and-go' operation. Pass-refer result
- 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. Echocheck compatible
- DPOAE model - configurable pass criteria of 6dB SNR at 2, 3 or 4 frequencies (2-6kHz)

Database

- Provides on-screen test result summary table
- Holds the last 300* tests listed in chronological order
*(*To be increased to 500 tests with next free firmware update)*
- 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 Otocheck

- 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 Otocheck
- Otolink provides record review, management, printing, archiving
- Archives include detailed ILO format OAE data

Technical Specifications

Interfaces: Probe connector (Otodynamics 8-pin). Data connector - USB 1.1/2.0 compatible PC connection for data and charging, also accepts Otodynamics PSU. Optional wireless interface to Otodynamics printer and for future data transfer expansions.

Keyboard: 19 key language specific alphanumeric with cursor control and menu buttons.

Power: Internal rechargeable 3.7v, 1000mAh lithium-polymer battery. Charge time - 3 hrs to 90% capacity, approx 4 hrs to 100%. Intelligent multi-level power control for charging/testing/idle/sleep/shutdown. Max dissipation, testing, 720mW, charging, 2.5W.

Processors: DSP data acquisition and analysis engine 420 MIPS. Multiprocessor user interface. 8MB non-volatile database.

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

Hardware options: Wireless printing, internal barcode reader and RFID scanner.

Dimensions: 195mm x 70mm (max) x 30mm. **Weight:** 0.55 lbs (250g).

Operating environment: For indoor use: 5 to 40 deg C. Max humidity 80% to 31 deg C decreasing linearly to 5% RH at 40 deg C. For transport and storage: 0 to 40 deg C. Pressure: 23-101kPa. Humidity: 10% to 90% non-condensing.

Classifications and standards: Device Class 2a (Directive 93/42/EEC), BS EN ISO 13485:2001, ISO 14971. BS EN 60601. UL 60601. CSA-C22.601.

Features and Specifications subject to change

Ref: BOC-06 March 2010



Accessories

Choose the package for you

Otocheck Standard Package

Item OC-S

Otocheck with probe (select the TE or DP model), standard accessories as illustrated above, Otocheck charger (select charging cradle for desk use or wired charger for maximum portability), Otolink PC software and download cable, manuals, carry bag for Otocheck and accessories except cradle.

Otocheck and Printer Package

Item OC-P

As Standard Package plus battery mini-printer (wired or purchase wireless option) with charger, plain and self-adhesive paper rolls, carry bag holding Otocheck, printer and all accessories, except cradle.

Otocheck Deluxe Package

Item OC-D

Otocheck with probe (select the TE or DP model), standard accessories as illustrated above plus double the standard number of probe tips, wired Otocheck charger, full Otocheck docking station which conveniently connects printer, charger and PC, Otolink PC software and download cable, manuals, battery mini-printer (both wired and wireless modes) with charger, plain and self-adhesive paper rolls, carry bag for Otocheck, printer and all accessories except docking station.

Package Enhancements: Integral ID chip reader and barcode scanning

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