

Otocheck LE

Easily the fastest and most affordable hearing screener



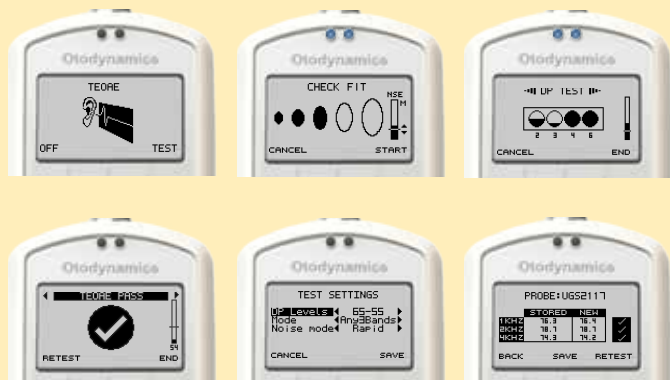
- A no-nonsense, straightforward, newborn and paediatric OAE screener
- Ready to use with minimal training
- Automatic pass/refer, low cost consumables and long battery life
- Choose TEOAE or DPOAE model

Otocheck LE Features

The Otocheck LE is an economical handheld OAE hearing screening instrument, designed for the new user. This screener reflects a 25 year history of research and development in hearing screening. It requires minimal instruction, has just 7 control buttons and can produce a Pass or Refer result in less than 7 seconds.

Two models are offered - either TEOAEs for newborn hearing screening or DPOAEs for both newborn and paediatric hearing screening.

With the added benefits of low cost consumables and a long battery life, the Otocheck LE is easily the most affordable and fastest solution for OAE screening.



Choice of 2 Screening Models

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

Operation

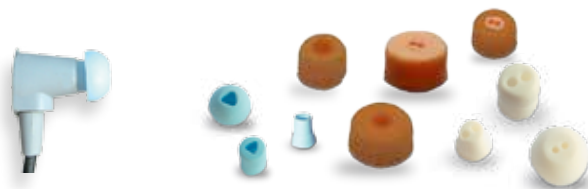
- Easy 'press-and-go' operation. Pass-refer result
- Fast, noise-resistant mode
- Intuitive graphic display shows signal to noise progress
- Unique graphical indication of probe fitting (checkfit)
- Choice of overall or frequency band displays on TEOAE model
- Alerts to poor probe fit, high noise level and ringing stimulus
- Long battery life - over 250 test cycles or one full working week
- Battery level and charging indicators
- Option of desktop charging cradle or portable charger
- Optional Otoport mini-printer available

OAE Pass Criteria

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

Quality Assurance

- Probe test function
- Whole system power-on self test
- Proven Otodynamics OAE technology



TEOAE or DPOAE probe
(depending on model purchased)

Solid or foam probe tips
(small selection shown)



Probe cable clip



Test cavity



Probe pouch

Accessories



Option of charging cradle or wired charger



Infection control sleeve
(shown fitted)



Otocheck case
(optional)

Technical Specifications

User interface: Display: 128 x 64 pixels graphic LCD.

Input: cursor control and menu softkeys.

Test capacity: More than 250 test cycles or one full working week (typical use). 8MB non-volatile memory. **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). Charge connector - USB 1.1/2.0 compatible. 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)

NEUROSPEC

Research Neurosciences

NEUROSPEC AG
Stansstadterstrasse 10
CH-6370 Stans
Switzerland

www.neurospec.com
info@neurospec.com
Tel +41 41 371 07 04
Fax +41 41 371 07 03