

# Otoport

ADVANCE

Advanced Clinical OAEs



**NEUROSPEC**  
Research Neurosciences

**Otodynamics**



# Otoport ADVANCE

## Advanced Clinical OAEs

The Otoport Advance is the top of the range Otoport, an enhanced clinical handheld instrument, providing detailed test information enabling in-depth analysis of results on the instrument or on PC using the ILOv6 software supplied. Configurable settings facilitate traceable protocols. Programmable test 'macros' allow automated monitoring of OAEs over time, with your choice of DPOAE and TEOAE tests at multiple levels.



**POWERFUL ANALYSIS**  
Clinical level  
DPOAE & TEOAE



**FULLY CUSTOMISABLE**  
Protocols with  
editable names



**ADVANCED DPgram**  
1-8kHz, 2-16 pts/oct  
13 frequencies



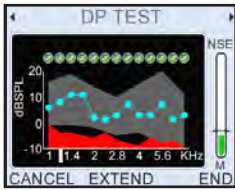


## OVERVIEW

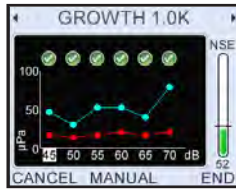
- Light-weight and portable with easy-to-use keypad
- Automated self-test system when powering on Otoport
- Intuitive test progress graphic displaying signal to noise progress
- Long battery life - up to 250 test cycles or one full working week
- On-screen notification of poor probe fit, high noise level and ringing stimulus
- Each test is saved with the actual physiological response
- Comprehensive probe fit and noise level indicators
- On-board probe test facility and Probe ID tracking
- Create multiple User logins with password protection with Admin control if required
- Fast, noise-resistant mode
- Transfer data to the Otolink via the docking station
- Print wirelessly to the Otodynamics optional mini printer

	DP <b>OAE</b>	TE <b>OAE</b>
<b>Test Configurability</b>	7 Protocols, 16 Parameters	3 Protocols, 16 Parameters
<b>Frequency Range</b>	1 to 8 kHz, 13 Frequencies	1, 1.5, 3, 4, 5, 6 kHz
<b>Freq. Resolution</b>	Up to 16 pts/octave	80Hz or 1/2 octave bandwidth
<b>Stimulus Levels</b>	40 to 75 ( $\Delta 5$ dB) (dBSPL)	60 to 90 ( $\Delta 1$ db) (dBSPLpe)
<b>Pass Criteria</b>	9 Parameters	7 Parameters
<b>Pass SNR</b>	1 to 14dB per band ( $\Delta 1$ dB)	1 to 14dB ( $\Delta 1$ dB)

# ADVANCED CLINICAL OAEs



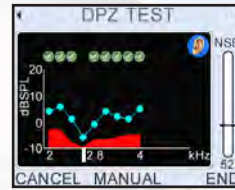
High quality 13 frequency DPgrams with settable normative range markers.



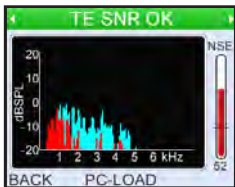
DP growth I/O function analysis, dB/dB and scissor modes. Intelligent or manual test progress management for fast testing.

	L1	L2	SIG	NSE	SNR
70	66.7	69.4	11.5	2.1	9.4
65	64.9	64.8	7.4	3.6	3.8
60	62.8	59.7	8.3	1.7	6.8
55	60.8	54.6	7.2	0.0	6.3
50	58.9	49.8	3.0	-0.4	3.4
45	57.0	44.4	7.1	-1.4	6.6

Detailed numerical data available with each test result. Stimulus, response noise levels plus signal to noise ratio SNR.



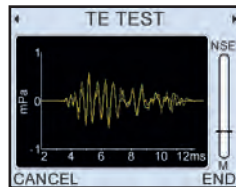
DP zoom focuses on a specific range of frequencies in high resolution (up to 16 pts/oct) to explore details.



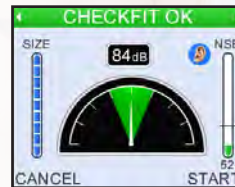
Comprehensive TEOAE analysis, high resolution spectrum.

	SIGNAL	NOISE	SNR
1k	1.9	1.3	0.6
1.5k	5.3	-0.5	5.8
2k	4.6	-7.5	12.1
3k	3.0	-8.1	11.1
4k	1.0	-8.5	9.6

View TEOAE numerical data.

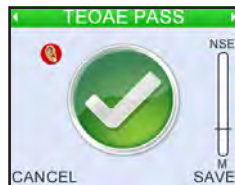


View TEOAE waveform.



In-ear Calibration ensuring accurate results.

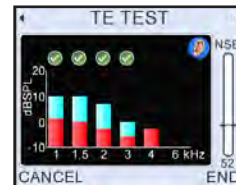
# SCREENING OAEs



Configurable as a simple-to-use TEOAE automated Screener for Hearing Screening applications.



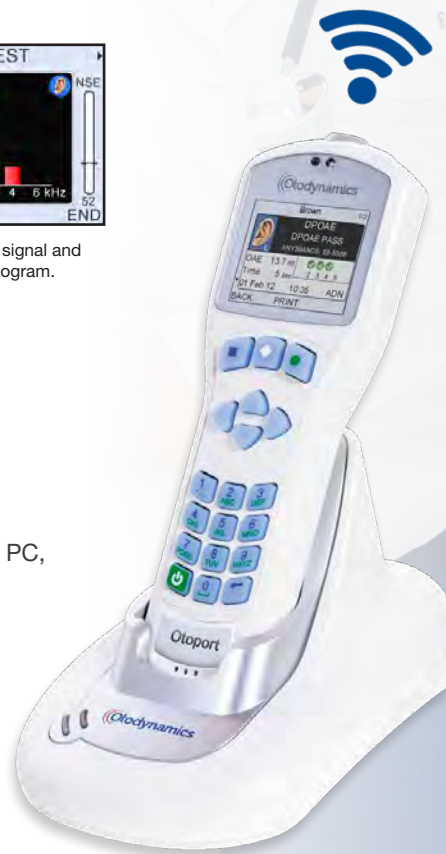
Configurable as a simple-to-use DPOAE automated Screener.



View TEOAE signal and noise histogram.

## Docking Station

The docking station provides full connectivity to the OAE Otoport, PC, printer and charger. Configure your Otoport to download and/or print result once docked, either via wired or wireless option. (Not compatible with ABR sleeve.)



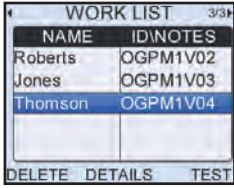


## FULLY CUSTOMISABLE

Multi-Test macro (x4 protocols) function-build a protocol giving a sequence of DP and/or TE tests. Comprehensive automatic or manual test set up of parameter, protocol and individual clinical pass criteria.



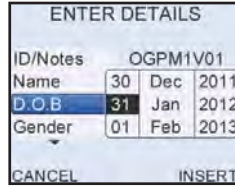
# EASY DATA ENTRY & RECALL DATA



Programmable Work List and downloadable secure database.



Searchable 1000 tests storage listed in chronological order with on-screen test result summary table. Detailed demographic data.



Extensive patient database fields Enter Full Patient demographic data as needed.



# OTOLINK

## PC Data Management Suite

Manage your data easily and efficiently with the Otolink PC patient Data Management Suite. Download test results wirelessly or via USB from the Otoport or when docked in the docking station\*. Test details can be quickly reviewed, printed and archived. Printing reports directly to PDF file is available. Data can be exported, for example, to OZ, HiTrack, GDT, Noah\*\* or as CSV file. Patient Work Lists can be uploaded to the Otoport, assisting with managing workloads in busy environments. Otolink also provides access to firmware and application updates from Otodynamics via the internet. Compatible with Windows 10, 8 and 7.



\* With docking station option \*\* With Noah option



# ILO v6

## PC Software

Transfer data from Otolink to our ILOv6 OAE analysis software with tracked integration into the Echoport V6 database, and exporting to OZ, HiTrack, ASCII, XML, archive. Compatible with Windows 10, 8 and 7.



For further information, please contact us:

[www.otodynamics.com](http://www.otodynamics.com)  
[info@otodynamics.com](mailto:info@otodynamics.com)



# WHAT'S INCLUDED

## with your Otoport

- Docking station
- OAE probe with cable clip
- Sample ear tip pack
- Probe test cavity
- Sample infection control sleeve
- PC Otolink & ILOv6 software
- USB download cable
- User manuals
- Carry case



**2** YEARS  
INSTRUMENT  
WARRANTY

# ADDITIONAL

## Options for your Otoport

### **OAE** + **ABR**

#### Add AABR with the easy-to-fit sleeve

At any time add ABR screening to your Otoport with the easy-to-fit ABR sleeve. Ideal for Newborn Screening. Configurable dBnHL stimulus level. Choice of pass criteria. Automated start for speed. Clear pass/refer indication. Real time ABR waveform view. Work List and User login option for large screening programmes.

(See Otoport ABR brochure.)



#### ADD MINI PRINTER

Compact, fast print time, numerical and band pass data. Automatic print-on-connect mode. Battery powered. Choice of wired\*/wireless printing via the smart device.

\*Wired printing not compatible with ABR sleeve



#### ADD NOAH

Our Noah option makes Otolink PC Data Management Suite fully compatible with Noah 4 based data systems.



 **NEUROSPEC**

Research Neurosciences

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