

# Echoport 292

Advanced clinical binaural OAEs





# Echoport 292

## Advanced clinical binaural OAEs

Satisfies the most demanding of clinical needs.

Providing a range of Gold Standard clinical OAE tests.



**POWERFUL ANALYSIS**  
Clinical level  
DPOAE, TEOAE, SOAE



**FULLY CUSTOMIZABLE**  
4 Protocols  
Up to 14 parameters



**FREQUENCY RANGE**  
DPOAE 0.8 to 10.5kHz  
TEOAE 1 to 6kHz  
PASS SNR 1 to 14dB  
per 1/2 octave ( $\Delta 1$ dB)





## OVERVIEW

- Robust, compact format
- USB plug-n-play connection to PC
- Lightweight and battery-free (powered by USB connection)
- Windows 10, 8 and 7 compatible
- Full spectrum display during DP test shows higher order DPs
- Contralateral noise for suppression of TEOAE
- Powerful 'synchronized' spontaneous emission search to reveal actual and latent spontaneous OAEs

	DP <b>OAE</b>	TE <b>OAE</b>
<b>Test Configurability</b>	4 Protocols, 14 Parameters	4 Protocols, 10 Parameters
<b>Frequency Range</b>	0.8 to 10.5 kHz	1 to 6 kHz, 100 pts
<b>Freq. Resolution</b>	1,2,3,4,8 pts/octave	50Hz, 80Hz or 1/2 octave
<b>Stimulus Levels</b>	40 to 80 ( $\Delta$ 1dB) (dBSPL)	40 to 90 ( $\Delta$ 1dB) (dBSPLpe)
<b>Pass Criteria</b>	10 Parameters	10 Parameters
<b>Pass SNR</b>	1 to 14dB per 1/2 octave ( $\Delta$ 1dB)	1 to 14dB per 1/2 octave ( $\Delta$ 1dB)









## DPOAE RECORDING

- High resolution DPgram up to 8 points per octave (27 frequencies shown)
- Preset and customizable stimuli
- Programmable L1 and L2 level, frequency ratio, points/octave, frequency range, manual/automatic/intelligent frequency progression
- Total DP power assessment
- DP I/O growth rate analysis, dB/dB or scissor optimized stimuli
- Simultaneous binaural recording (ILO292-II only)
- True time domain averaging and noise statistics
- Ultra secure SNR assessment
- Total DP power assessment



## TEOAE RECORDING

- Quick Screen and Standard 'ILO' (20ms) diagnostic recording
- Click stimulus or configurable tone pulse
- Configurable stimulus intensity. In-the-ear calibration
- Real-time stimulus and probe fit monitoring
- 'ILO' analysis giving OAE dBSPL and reproducibility in half-octave bands plus stimulus and response waveforms
- Simultaneous binaural recording (ILO292-II only)



## TWO MODELS



### Echoport 292 I

The powerful Echoport 292-I satisfies the most demanding of clinical needs. Providing a range of Gold Standard clinical OAE tests TEOAE, DPOAE, SOAE, DP Growth.



### Echoport 292 II

The Echoport 292 II dual probe delivers all the power of the Echoport 292 I and adds bilateral TE&DP recording plus Contralateral Suppression



## ANALYSIS TOOLS

- Examine/compare feature for DP-DP, TE-DP and TE-TE
- Full cross correlation, frequency analysis with reproducibility and signal-to-noise data on single test or between test pairs
- Waveform analysis with response subtraction
- Detailed TEOAE spectrum analysis (50Hz resolution).
- Half-octave OAE power assessment
- Full numerical OAE data table provided



## DATA HANDLING

- Fully searchable patient database with printable reports
- ILO standard DTA and DPG files
- Exportable data to OZ, Hi\*Track, XML, ILOV5, Excel and ASCII (user selectable data elements)
- Import of data from other V6, Otolink or Ez-screen sites
- Integration of data from multiple sites, testers and machines
- Ability to run from a network and with a network databases



For further information, please contact us:

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





Note: PC not included

**3** YEARS  
INSTRUMENT  
WARRANTY



## WHAT'S INCLUDED with your Echoport

- OAE Probes
- USB cables 2m & 0.5m
- Test cavity
- Startup probe tip box
- V6 & Ez-screen PC software
- Carry case





Otodynamics Ltd.

30-38 Beaconsfield Road Hatfield Herts AL10 8BB UK

t. 1-800-659-7776 e. [info@otodynamics.com](mailto:info@otodynamics.com)

[www.otodynamics.com](http://www.otodynamics.com)