

# Echoport 292

Advanced Clinical Binaural OAEs



**NEUROSPEC**  
Research Neurosciences





# 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 CUSTOMISABLE**  
 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 ( $\Delta$ 1dB)





## OVERVIEW

- Robust, compact format
- Battery-free, powered by USB plug-n-play connection to PC
- Windows 10, 8 and 7 compatible
- Full spectrum display during DP test shows higher order DPs
- Contralateral noise for suppression of TEOAE
- Powerful 'synchronised' 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) (dBSPL <sub>pe</sub> ) |
| <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 customisable 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 dB SPL 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.



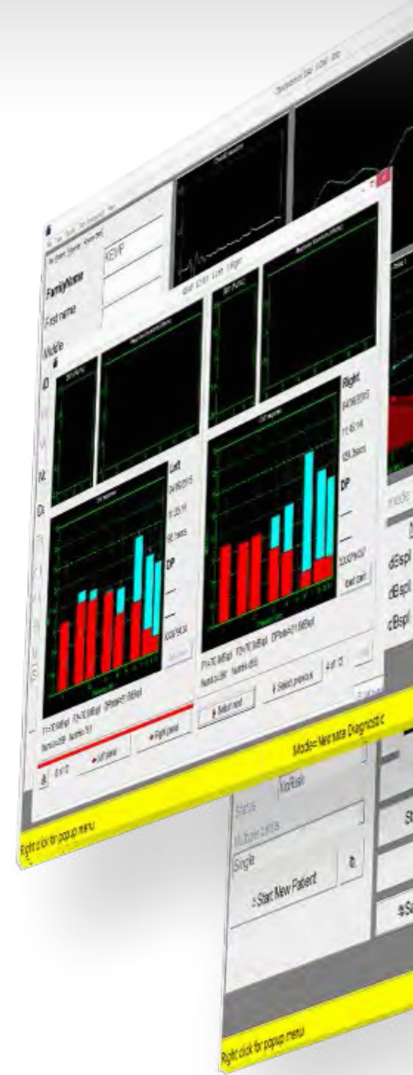
## ANALYSIS TOOLS

- 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, HiTrack, 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:

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Note: PC not included

**3** YEARS  
INSTRUMENT  
WARRANTY



## WHAT'S INCLUDED with your Echoport

- OAE Probes
- USB cables 2.0m & 0.5m
- Test cavity
- Sample probe tip pack
- V6 & Ez-Screen PC software
- Carry case





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