

Echoport ILO292



**The world's choice
for advanced OAE testing**

ILO292-II

Advanced diagnostic OAEs
with binaural recording

- 4 Channel stimulation
- Scientific data analysis
- TE Contralateral suppression
- TE, DP, SOAE DP Growth

ILO292-I

OAE analysis in the clinic
Full range of single probe tests

- Configurable stimulation
- Test protocols for all ages
- Real-time waveform displays
- TE, DP, SOAE, DP Growth



ILO292-II (laptop
PC not supplied as
standard)

Otodynamics

OAE Analysis

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Features

TEOAE recording

- Quick Screen and Standard ILO diagnostic recording
- Tone pulse stimuli
- Adjustable stimulus intensity
- Real-time stimulus monitoring

DPOAE recording

- DPgram with preset and custom selected stimuli
- Programmable L1 and L2 level, frequency ratio, points/octave, frequency range, manual/automatic/intelligent frequency progression
- Total DP power assessment
- DP growth rate analysis
- True time domain averaging and noise statistics
- Signal-to-noise assessment against TWO standard deviations from mean noise level

Advanced functions

- Powerful 'synchronised' spontaneous emission search to reveal latent Spontaneous OAEs
- DP Growth analysis with formula based stimulus presentation
- Binaural TEOAE and DPOAE measurements (ILO292-II only)
- Contralateral TEOAE suppression analysis

Analysis tools

- TEOAE, full cross correlation, frequency analysis with reproducibility and signal-to-noise data
- Examine/compare feature for TE-TE and TE-DP
- Response subtraction analysis
- Half-octave OAE power assessment
- Detailed spectrum analysis
- Full data table provided
- User configured ASCII output
- Waveform analysis

Data handling

- Fully searchable patient database with 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 or EZ*Screen sites
- Integration of multiple sites, testers and machines
- Ability for distributed deployment across a network
- Automatic tracking of patients through testing and assessment

Accessories



OAE probes
292-II 2 x DP, 1 x TE
292-I 1 x DP, 1 x TE



Startup probe tip box



V6 & EZ-Screen
Vista compatible PC software



User manuals



Probe test cavity

Probe cable clip



Probe pouch



Choice of USB cable



Echoport bag

Specifications

Dimensions: 297mm x 210mm x 18mm (11.75in x 8.25in x 0.75in).
Weight: 1.045kg (2.3lb). Connections: Two probe sockets - mini screw fit to accommodate ILO Smart Probes with built in ID and memory chip. (292 USB-I one probe socket fitted).
Removable blank for upgrade). Standard USB interface on rear.
Power consumption: From USB connection - between tests 40ma, recording monaural 260ma, binaural 400ma. Channels: 4 Independent stimulus channels (292-I two only) 16 bit 25kHz, 0-95dB. 2 signal input channels (292-I one only) 16 bit 25kHz.

PC requirements

Windows Vista/XP/2000, free USB port.

Software

ILOV6 clinical software including: TEOAE 0-20ms stimulation click, tone burst, white noise. Quickscreen and SOAE. Programmable binaural sequencing. DP-gram variable resolution up to 8pts/octave. For data analysis, DP-spectrum and full DP data tables. Multi-component capture (2f1-f2, 2f2-f1, 3f2-f1 etc.). Programmable stimulus intensity, intensity difference, frequency ratio with 'set-by-table-entry' for automated protocols. Pre-programmed intelligent result seeking. Programmable stop criteria. Integrated client-server database offering full patient data management facilities. Includes EZ*Screen screening and patient data management with programmable automated pass criteria.

Classification

Type BF, class II. Certified as meeting EN60601-1, UL2601, CSA 22.2, no. 601-1, CE, EMC. Otodynamics is an ISO9001 compliant company.

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