

Advanced Clinical OAE System

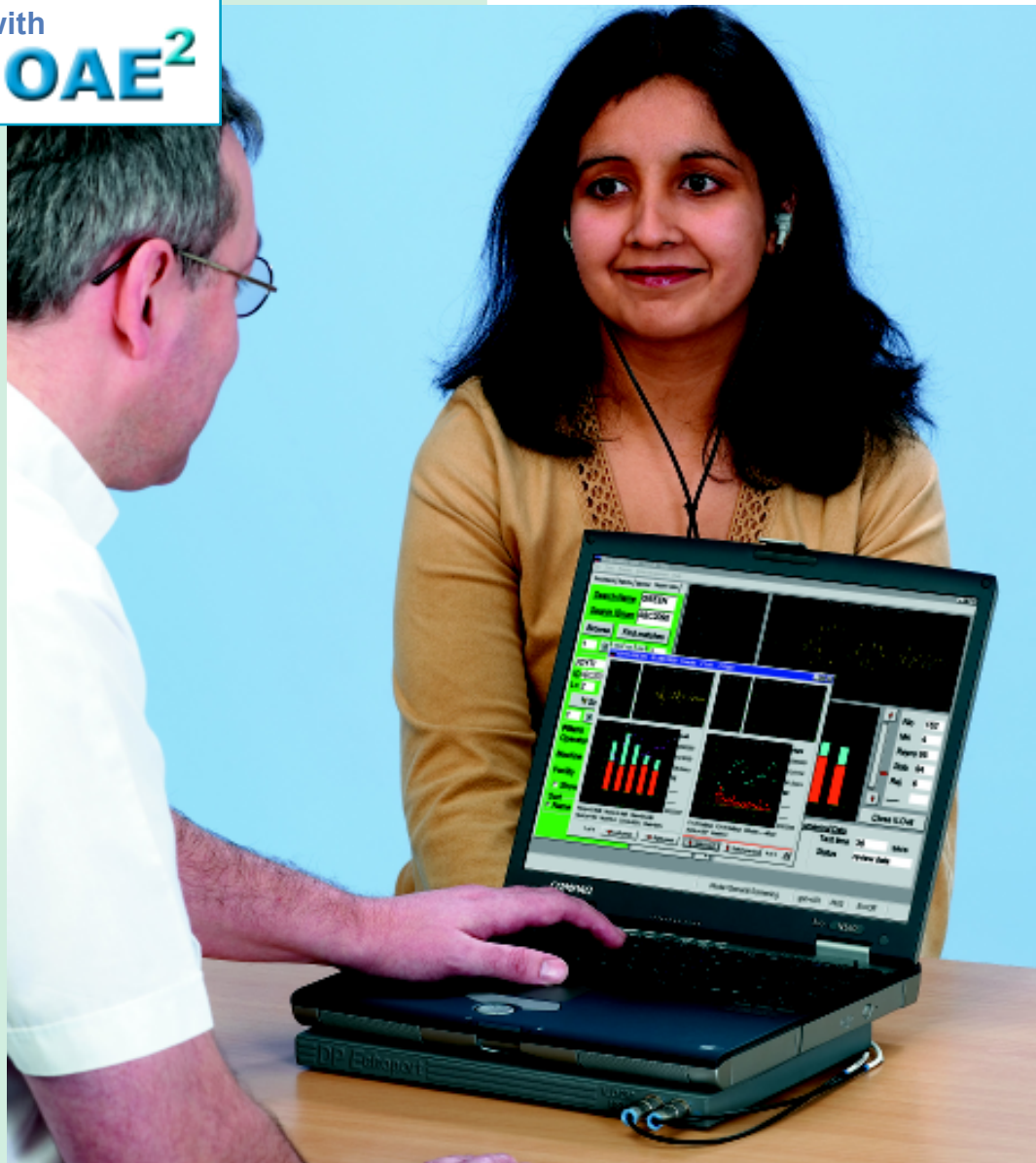
with
OAE²

Our DP Echoport was the first to provide powerful TEOAE and DPOAE analysis in a compact portable format. The new ILO292 goes much further.

Of course we have completely re-engineered the hardware and have developed software designed to match today's operating systems. But there's more.

We've added a new dimension to OAE testing - OAE². It's simple. We've doubled everything - four stimulus channels, two probes, two complete OAE systems in one unit. The effect is to quadruple what you can do with the ILO292 ...

that's OAE²



The New **ILO292** **DP Echoport**

- All OAE clinical measurements
- 4-channel stimulation
- True binaural OAE measurements
- Scientific data analysis
- All-new battery-free design
- Plug and play USB connection
- Lightweight slim-line format
- Powerful ILO V6 clinical software
- Integrated patient data management
- Data compatible with earlier models



ILO292 DP Echoport

- The DP Echoport provides an objective, frequency specific analysis of cochlear status.
- Our updated DP Echoport - the ILO292 USB-II with OAE² technology is really two clinical OAE instruments in one. A true 4-channel system as opposed to the traditional 2-channel DPOAE systems, the 292 USB-II has enormous potential. It opens the doorway to the expanded use of advanced OAE testing over the next decade.
- Connect two probes to the ILO292 USB-II. Each has its own measurement and stimulation channels so you can be testing both ears at once with the same test, maybe at different levels, with different stimuli, synchronised or staggered, or even completely different tests.
- And don't worry about binaural interaction. The contralateral suppression effect has been proved to be quite small - of relevance only in the investigation of rare pathologies and for research. You can always choose monaural testing if you need to.
- The ILO292 USB comes with ILO V6 clinical OAE software for Windows XP and all current operating systems. It includes test parameter programming, all the standard OAE test modes, and a powerful integrated patient database.
- You may be examining sudden deafness, fluctuating hearing loss or the effects of noise exposure or ototoxicity, auditory neuropathy or other obscure auditory dysfunctions. OAEs provide invaluable information about these conditions (e.g. Robinette and Glattke*). And the new ILO292 provides the tools you need to process this data. There are tools to add, subtract, and combine a patient's OAE data - tools refined by laboratory research. Compare this year with last year, or left ear with right ear, or TEOAEs with DPOAEs. All with the precision and the scientific backup you've come to expect from Otodynamics. Its test data is compatible with previous ILO systems, so continuity is guaranteed. You can even read some of the new data files on the earlier V5 software and import V5 data files into V6.
- Finally, hardware installation is amazingly simple! The new ILO292 is Plug and Play with a USB interface ... and totally portable ... it doesn't even have batteries.
- If you don't really need a binaural OAE system right now - no problem. You can buy a standard dual stimulus channel system (ILO292 USB-I) and have it upgraded to four channels when you are ready!

Otodynamics Ltd

USA: 1-800-659-7776 UK: 01707 267540
International: +44 1707 267540 or Fax: +44 1707 262327
sales@otodynamics.com www.otodynamics.com
36-38 Beaconsfield Rd., Hatfield, Herts. U.K. AL10 8BB

How to select the right system for you

Otodynamics has a range of Echoport products to suit every application. If you have the most demanding clinical needs, the ILO292 USB-II with OAE² and binaural capability is the instrument for you. From this product you have access if needed to the research level software and functions available separately as the ILO296 upgrade.

If you have demanding clinical needs but don't need binaural operation at this time - the ILO292 USB-I is recommended. This supports one probe for all standard clinical functions and the software includes all the inter-comparison functions of the ILO292-II. There is provision for the addition of a second probe socket and two channel amplifier for full upgrade to ILO292-II and binaural measurements with OAE².

If you're sure your needs for clinical OAE will not expand beyond regular multi-level measurement, DP-gram and TEOAE, then for cost effectiveness you may prefer to purchase our ILO288 USB instrument with optional ILO V6 clinical software for 288. Please note the ILO288 USB-II system is not upgradeable to binaural measurements.

*Robinette RM, Glattke T (eds) 2002 Otoacoustic Emissions - Clinical Applications (Second Edition), New York: Thieme.

Specifications

Dimensions: 297mm x 210mm x 18mm (11.75in x 8.25in x 0.75in).
Weight: 1.045kg (2.3lb). Connections and switches: Two probe sockets - new 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. Rear Normal/Reprogramme switch for firmware updating via PC. 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 98/ME/2000/XP, free USB port.

Software

ILOV6 clinical software including: TEOAE 0-20ms stimulation click, tone burst, white noise. Quickscreen and SOAE. Programmable stimulus delay-advance pre-stimulate, programmable binaural sequencing. DP-gram variable resolution 8pt/octave plus, zoom-in high resolution, and for data validation DP-spectrum, DP latency, DP-stimulus intensity sweeps. Continuous DP monitoring and tracking. Multi-component capture (2f1-f2, 2f2-f1, 3f2-f1 etc.). Data recall and manipulation including vector and scalar add, subtract, merge. 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.

Accessories

USB cable, smart probes, test cavity, manuals, training aids.

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.