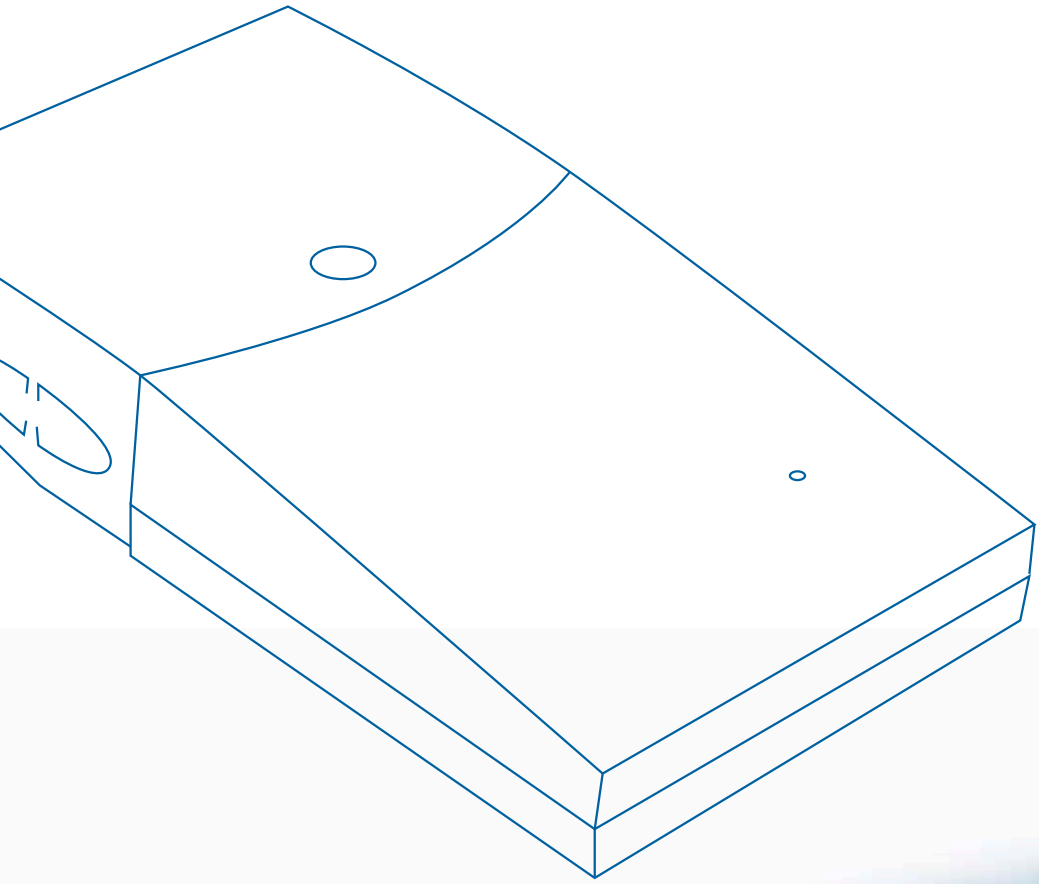
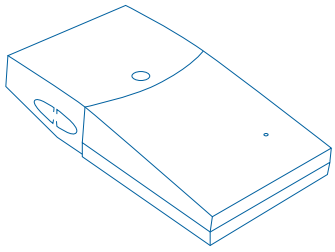
MADSEN Capella²



The new gold standard in OAE testing

otometrics

MADSEN Capella²



Built in coupler:
Easily accessible, removable cavity for quick probe checks.

USB plug, play and powered:
Convenient design makes it trouble free to move around your clinic since it only needs a USB port for power.

Accurate measurements:
Assured with a proven and well documented probe.

The new MADSEN Capella² from Otometrics is the result of a technology partnership between a recognized leader in clinical OAE and the leader in clinical usability. It gives you the power of an objective and accurate analysis of cochlear function for all ages.

The superior user interface of the MADSEN Capella² is integrated into OTOsuite and incorporates functionality that far exceeds other OAE systems on the market today. And as with other clinical tools in OTOsuite, you can continue to give your patients the best possible care without compromising workflow efficiencies.

THE FACTS

- Available modules: DP (includes DP Gram and DP I/O), TE and SOAE
- Historical test data comparison including probe fit and per point spectrum comparison
- Choice of Chirp or Optimized In Situ calibration for improved measurement accuracy
- PrecisePoints™ feature for easy test frequency selection
- Probe fit before and after test including signal correlation
- User controlled overlays

Powerful. Intuitive. Flexible.

The MADSEN Capella² is the first OAE system to meet the international standard set for diagnostic OAE devices. It's easy to use but also provides dynamic features in a modernized workflow.

- Checking the probe fit at both the beginning and end of a measurement
- Predefined user tests
- Programmable sequences
- Ability to swap ear data
- Easy comparison of results with normative values

All this provides enhanced ease of use and improved confidence in your results.

Intuitive user interface

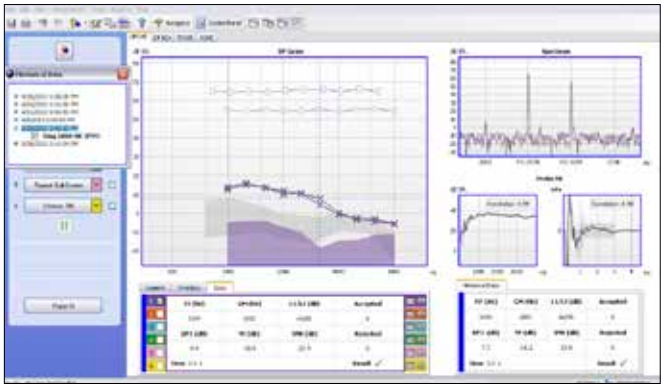
Intuitive easy-to-use software

MADSEN Capella² is working under the OTOsuite software platform. It is simple to use, very comprehensive and extraordinarily powerful. All of the key elements are accessible on the intuitive control panel. It is easy to select your preferred test and measurement settings with a few clicks.

Flexibility for both routine and advanced care

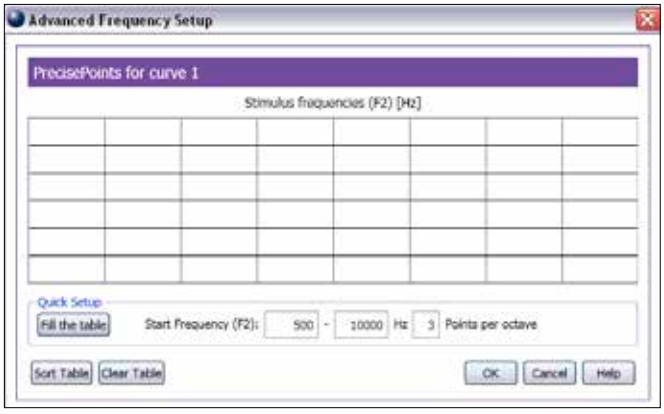
The new MADSEN Capella² is so flexible that you can use it for both routine testing as well as for more advanced cases. Multiple stimulus calibration choices and an automated frequency selection alternative are just two features that enhance the way you work.

For stimulus calibration we introduce Chirp or Optimized In Situ. The Chirp works well when speed is most important. When combined with predefined measurement settings it is a suitable tool for general testing of patients. For patient cases where preciseness is crucial, Optimized In Situ calibration will provide more security and confidence in your data collection. Together with historical probe fit and data comparison you can accurately assess cases where slight changes in the response are crucial; for instance those receiving ototoxic medications or treatment.



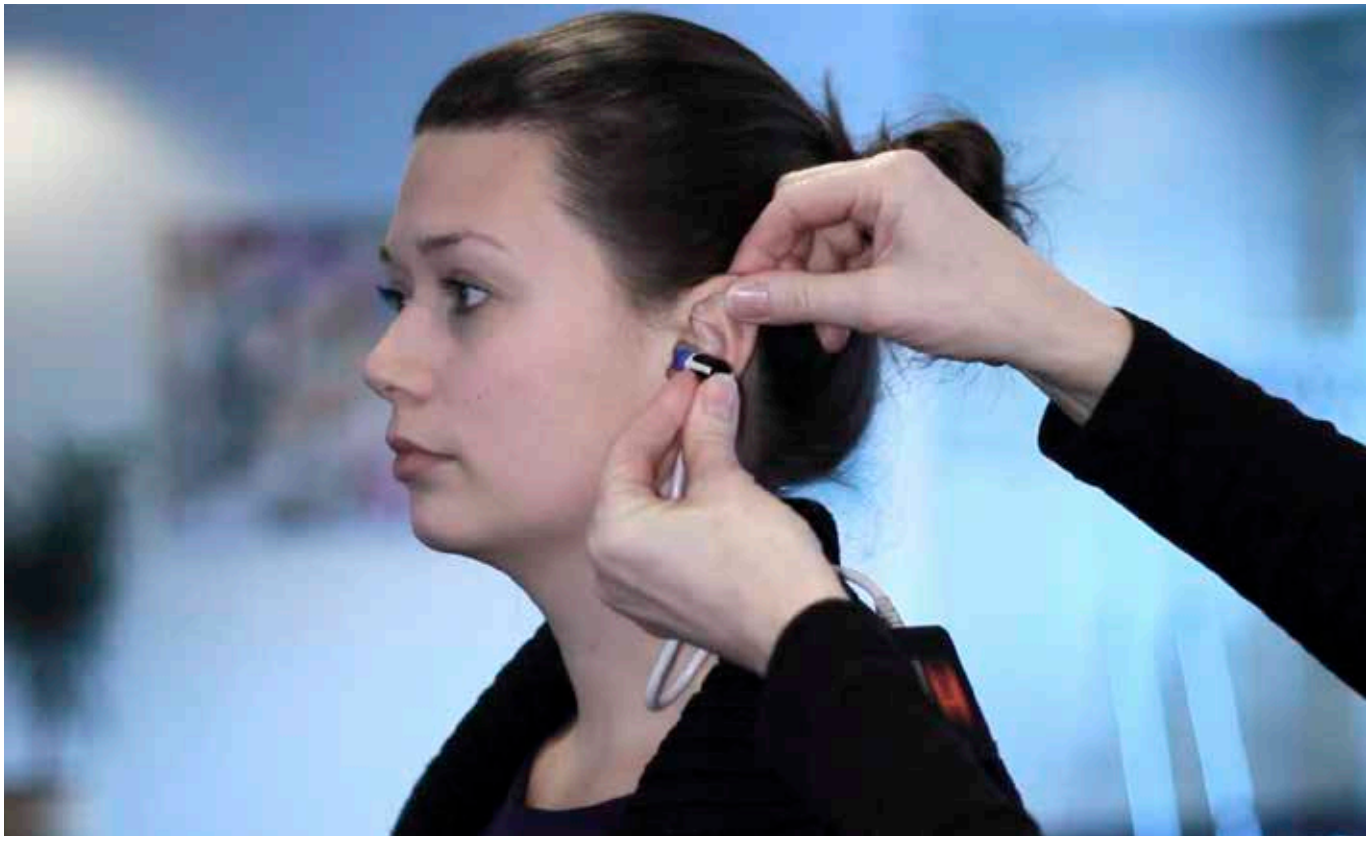
Historical probe fit and data comparison

PrecisePoints™ provides the simplest way to set up the exact test frequencies you want. It allows the operator to quickly select commonly used audiometric test frequencies as the F2 test frequencies or set a range with predefined points per octave. For advanced users there is the possibility to manually configure any frequency combination desired; providing a virtually infinite number of points per octave.



PrecisePoints™

See the MADSEN Capella² video on www.otometrics.com/capella2



MADSEN Capella² can be used on all age groups

The power of integration

The OTOsuite™ software makes it easy and intuitive to operate MADSEN Capella². It also makes it possible to integrate your workflow with other MADSEN solutions in the areas of otoscopy, immitance and audiometry, as well as the AURICAL fitting solution. As with all other clinical tools found within OTOsuite, the MADSEN Capella² is flexible and adapts to your way of working.

See the power of integration video on www.otometrics.com/otosuite

MADSEN Capella²

Technical specifications

Standards	
Safety:	Class 1 (IEC 60601-1); Type BF, (IEC 60601-1)
Otoacoustic Emissions:	IEC 60645-6, Type 1

Hardware information	
Unit dimensions and weight:	Height = 58 mm (2.3 in), Width = 138 mm (5.5 in), Length = 250 mm (9.9 in), Length without cover = 180 mm (7.1 in) Weight= 476 (1.05 lbs)
10D probe:	Weight: 100 grams (3.6 oz) Cable length: 1.83 meters (6 ft)
Power:	Power supply is via the PC USB Port Rated voltage: 4.50V - 5.25V Maximum current consumption (active): < 500 mA (2.5 W)
PC requirements (PC not included):	1.5 GHz processor or higher (2 GHz recommended) 512 MB RAM (1 GB recommended) for Windows XP, or 1 GB (1.5 GB recommended) for Windows Vista and Windows 7 2.5 GB free disk space for installation of the OTOsuite software. Additional disk space is needed for installation of prerequisites. Windows XP Professional SP3 (X86), Windows 7 Professional (X64), Windows 7 Professional (X86 / 32-bit), Windows 8 Professional (X64) USB port for connecting accessories, v. 1.1 or higher DVD or CD-ROM drive 32 bit color display 1024x768 screen resolution 32 MB graphic memory Windows-compatible sound card Compatible with NOAH 3.5.2 and higher

DPOAE specifications	
Stimulus:	Frequency range: 500-10000 Hz Frequency step: 1 Hz Level: 0-75 dB SPL (Dependent on frequency) Level step: 1 dB
Recording:	Acquisition time: 204.27ms A/D resolution: 16 bit SNR criterion: User selectable
Display:	DP Gram, DP I/O, Probe fit (Frequency and time), Spectrum, Protocols

TE and SOAE specifications	
Stimulus:	Click and Tone Burst Levels 40-90 dB SPL Frequency Bandwidth: 450-5000 Hz
Recording:	Refresh rate: User selectable SNR criterion: User selectable TEOAE: Correlation and SNR (per band, and\or overall) SOAE: Synchronous measurements (levels btw 40 and 60 dB SPL) Automatic selection of SOAE based on SNR
Display:	TEOAE and SOAE-Frequency Response, Temporal Response, Probe Fit (frequency and time, including signal correlation)

Included parts
OAE device, OAE probe, probe holder kit, test cavity, starter kit, USB cable, memory stick containing OTOsuite software, Reference Manual and User Guide.

Intelligent Hearing Systems (IHS) Inside. The MADSEN Capella² was a collaborative effort between the professionals at IHS and Otometrics.
We are proud to have created a solution that offers proven hardware and algorithms with a software platform that is second to none.

GN Otometrics, Europe. +45 45 75 55 55. info@gnotometrics.dk
GN Otometrics, North America. 1-800-289-2150. sales@gnotometrics.com
www.otometrics.com

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