



Lightweight probe
for all measurements

NOAH™ & PAX™
based software

Screening
tympanometry module

Completely portable

Printouts can be
individually configured

Fast-Screen mode

Echo-Screen TEOAE
screening module

Comments can be
added to the patient
journal

Otoacoustic Emissions System

MADSEN Capella is GN Otometrics' diagnostic OAE system, featuring a minimum of hardware and NOAH- or PAX-based software. Running under Windows®, Capella is easy to navigate, and offers all the convenience of screen dumps, color printers, online help, etc. With features like user-defined tests, auto sequences, screening tympanometry and Echo-Screen mode, Capella must be the most sophisticated and powerful OAE software available today. Even measurement data can be exported for use in other databases, e.g. Microsoft's Access. And the hardware, which fits easily under a notebook PC, is also available in a battery-powered version for total portability.

Modular structure for complete flexibility

The Capella OAE system consists of a hardware platform and the following software application modules, which can be freely combined to suit your individual requirements: Distortion Product OAE, Transient Evoked OAE, Screening Tympanometry, and Echo-Screen TEOAE screening. Both OAE modules include a mode for measurement of Spontaneous OAE's.

Can be connected to any PC via one serial cable

The Capella hardware platform can be easily connected to an IBM® or compatible PC via a serial COM port - no hardware installation inside the PC is required. Capella is available both with and without a battery pack option.

Advantages of the NOAH/PAX software platform

In addition to all the benefits of Windows-based software, Capella runs under either the NOAH or PAX databases. Now all your OAE measurements can be organized in a professional database, saving you a lot of paperwork and allowing you to manage large numbers of patients. More important, your OAE test system can now be installed on the same PC or network you use to perform other audiological measurements, e.g. audiometry, middle-ear analysis, real ear measurement etc., and all your measurements saved in the same patient file.

Two lightweight probes for optimal flexibility

The probe handle can be mounted on a shoulder harness or headband, or held in the hand - measurements can be started and stopped by pressing a button on the handle. The multi-function OAE/Tymp. probe can be supplemented by the Echo-Screen probe for baby screening (TEOAE only).

Otoacoustic Emissions (OAEs) were first identified in 1977 at the Royal National TNE Hospital, London.



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Technical specifications:**Patient Safty:**

Fully complies with EN 60601-1, Class I, Type B

Power Supply:

AC 50/60 Hz; 100V - 240V ± 10%.

Optional Ni-mH battery pack

Dimensions of HW platform:

305 x 284 x 59 mm, 12" x 11" x 2 1/4" (W x D x H)

Net Weight:

HW platform: approx. 1.8 kg, 4 lbs.

Probe: 4 grams

Probe assembly: 73 g, 2.6 oz.

Hardware Requirements:

Pentium recommended, minimum 16 MB RAM. VGA

Graphics Adapter. Windows operating system (NT, 95, 98, ME).

RS232C Serial interface (min. 1 free COM port)

GN Otometrics

Copenhagen-based GN Otometrics is the world's leading manufacturer of hearing and balance instrumentation and software, including solutions for infant screening applications, audiologic diagnostics, and office management software, to balance testing and hearing instrument fitting.

