



**PILOT**

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ENQUIRE | PURE TONE AUDIOMETRY  
EMISSION | OTOACOUSTIC EMISSION  
EVOKE | AUDITORY EVOKED POTENTIALS

**Corona e3**



# ONE HARDWARE. ONE SOFTWARE. ONE DEVICE.

For the first time a completely new and innovative concept of development has been realized. The Corona e3 offers the combination of various audiometric measurement methods for daily routine as well as for ambitious clinical process in one device. The Corona e3 is therefore individually configurable. One device can combine all available

features – as well as only one feature used separately for each measuring station. The basic concept is the controlling by consistent software for each audiometric measurement method. Another advantage is based on the unique use of a patient database which also administrates the measuring results.



# Corona e3

## MAIN TOPICS OF THE DEVICE

- Fulfills all demands of modern audiology
- One Hardware offers 3 audiometric measurement methods
- One software administrated all measuring methods
- Integrated patient data base
- Free configurable
- Lightweight mobile case
- Tablet operated





# EVOKE AUDITORY EVOKED POTENTIALS

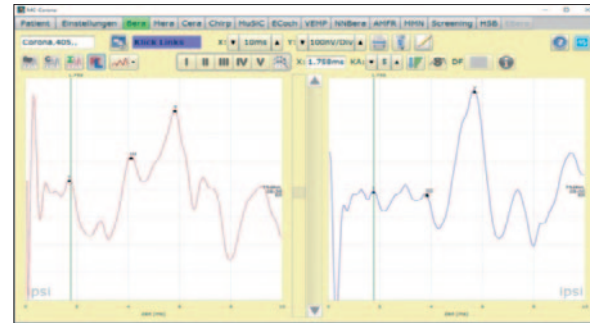
The measurement of Evoked Response Audiometry is a basic diagnostic tool in the daily audiological routine. Especially to meet demanding applications in clinics and doctor's practices, the ERA-device „Corona e3 evoke“ has been developed.

The unique concept allows it to configure or to upgrade the system depending on the needs of the user!

- Usable for all AEP – Applications
- Configurable system
- Offers a range of several frequency-specific methods: ASSR, Chirp, MuSiC
- Special applications like EBERA + ECoChG available
- Digital pre-amplifier offers advanced performance in different environments like operating rooms



# MEASURING METHODS WITH UNIQUE FEATURES



- Standard – ABR
- ASSR
- MLR
- MaskedChirp – ABR
- LLR
- MuSiC (unique worldwide)
- Automated – ABR
- Electrical ABR
- ECochG
- Objective Promontory Test (unique worldwide)
- VEMP
- Wave (download of Wave-Files)
- Bone conduction
- Free Field applications (Hearing Aid Adjustment)
- Mismatch-Negativity





# EMISSION OTOACOUSTIC EMISSION WITH ACTIVE-NOISE-REDUCTION<sup>©</sup>

In audiology the measurement of Otoacoustic Emissions is an important component for testing the function of the cochlea. It is also a globally recognized measurement method for use in newborn hearing screening.

However, the reliability of the diagnosis and the speed of the measurement are highly dependent on the environmental noise floor. Often in

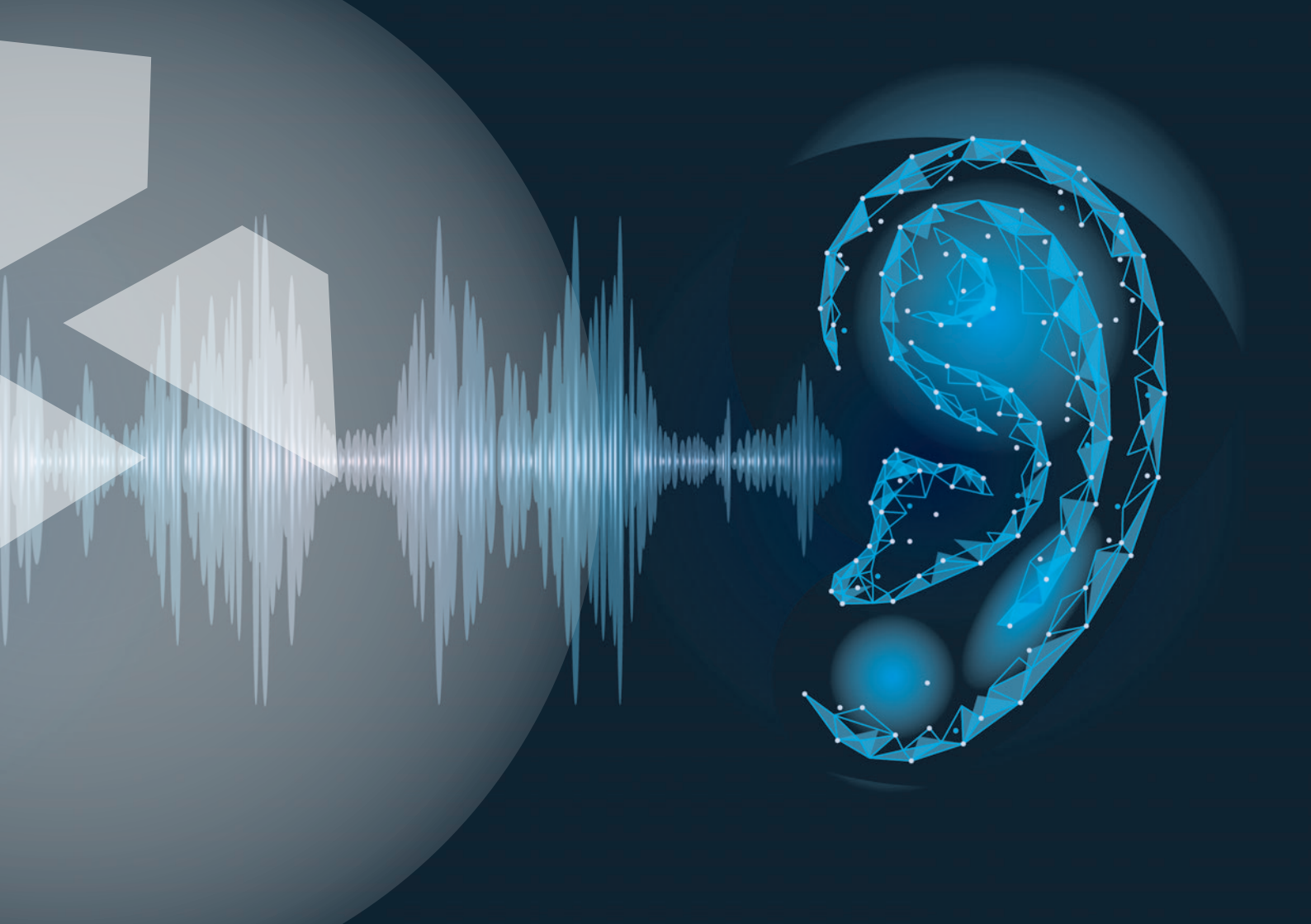
newborn stations and in incubators such measurements cannot be performed due to high ambient noise. The reason is a too tiny signal-to-noise ratio (SNR) which does lead into a low specificity of the measurement. The new development Active-Noise-Reduction<sup>®</sup> system records also the background noise allowing the user a direct and individual adaption of the OAE measurement to the environmental noise.



### ADVANTAGES OF THE OAE WITH ACTIVE-NOISE-REDUCTION<sup>®</sup> COMPARED WITH CONVENTIONAL OAE-METHODS:

- Highly reduced influence of the ambient noise
- High reproducibility of the measurement results
- Faster measurement due to low artifact rates









# ENQUIRE PURE TONE AUDIOMETRY

## PURE TONE AUDIOMETRY – TONE AND SPEECH

- PTA class II DIN EN 60645-1
- Expandable to class I
- Speech-audiometry class B-E
- Speech-audiometry (local languages..)

## MEASURING FREQUENCIES

- 125 Hz - 8 kHz (High frequency on request)

## TRANSDUCER

- Air conduction: HDA 300
- Bone conduction: KLH 96
- Insert phones: ER 3C
- Free field: Passive Loudspeaker







# NOTES

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