

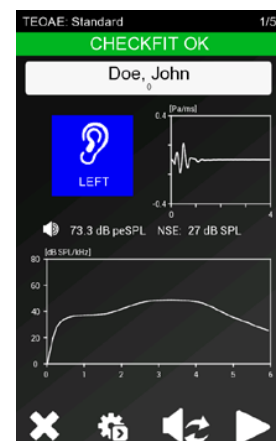


eOAE

Hand held TEOAE+DPOAE device

When an acoustic signal hits the auditory system, the inner ear sends back a very quiet sound, the otoacoustic emissions. A distinction is made between transitory otoacoustic emissions (TEOAE) and distortively produced otoacoustic emissions (DPOAE).

Both TEOAE and DPOAE can be measured with the **eOAE** device. A special screening mode is implemented for performing screening examinations on newborns.





- **TEOAE**

User defineable stop criteria

4 adjustable profiles

Display as time graph or

frequency diagram

All parameters at a glance

- **DPOAE**

4 adjustable profiles

Display as DP-Gramm and Table

- **Screening**

Method TEOAE/DPOAE

Clear result presentation

- Easy cleaning of the probe parts
- Good disinfectability through touch screen
- Optional printer available
- Clear measurement data management also on the device
- QWERTZ keyboard for convenient data input on the device
- Capacity for 10.000 tests
- Full integration into the eDM - Diagnostic Manager
- Easy charging via docking station
- PC Software for remote operation
- complies with DIN EN 60645-6

Device specifications

- Samplerate: 48 KHz
 - ADC resolution: 24 Bit
 - Display: 5" touch display
 - Weight: 320 gramm
 - Battery: 3880 mAh, 400 tests min.
 - Head phone output for masking
 - Dimensions: 141x97x27 mm
- Optional printer**
- Type: thermal printer
 - Paper width: 57,5 mm
 - Resolution: 8 p/mm, 384 p/line

Probe specifications

- Type: TEOAE and DPOAE
- Stimulus:
 - TEOAE: nonlinear Clicks
 - DPOAE: pure tone $f_1:f_2 = 1:1,2$
- Frequency range:
 - TEOAE 1-4 KHz
 - DPOAE: 0.5-12 KHz
- Level:
 - TEOAE 40-90 dB peSPL
 - DPOAE 40-70 dB SPL
- Probe cable length: 1,5 m

