SPECIFICATIONS

ERO•SCAN
For OAE screening and diagnostic testing

Frequency specific OAE Evaluation
The ERO•SCAN for frequency specific TEOAE and / or DPOAE comes with a real plus: The sharp organic LED display allows direct evaluation via SNR and value graph, thus making the handling even more comfortable. Appropriate to your needs you can choose between the ERO•SCAN with screening or diagnostic functions.

ERO•SCAN with Screening Function
The ERO•SCAN with screening functions comes with automated evaluation and is the ideal solution for screening newborns, infants, pre-school and nursery children.

ERO•SCAN with Diagnostic Function
The ERO•SCAN with diagnostic functions offers advanced applications — suitable for pediatricians, occupational health services and audiologists. Customizable protocol parameters and an extended frequency range makes it ideal for preschool screening and testing people of all ages.

Features at a glance
- Performing screening and diagnostic measurements of TEOAE and / or DPOAE
- Sharp, colored organic LED display
- Fast automatic testing with Pass / Refer outcome and graphical test result display
- 2 DP and 2 TE screening protocols
- 5 DP and 3 TE diagnostic protocols of which 4 DP and 2 TE are customizable protocols
- High noise immunity for operation in normal clinical environment
- Lightweight, small earprobe
- Wireless communication to PC and optional thermal printer
Technical Data

**ERÖ•SCAN Specifications**
- **Power Supply**: Lithium-Ion rechargeable
- **Battery Life**: 1000 tests per charge, minimum 15 hours on-time
- **Dimensions**: 66 mm x 31 mm x 145 mm
- **Weight**: 176 g
- **User Interface**: OLED display, 4-button keypad
- **PC Interface**: USB micro, Wireless connection

**Power Supply Specifications**
- **Output**: 5.0 V DC, 1.6 A
- **Input**: 100 V-240 V AC, 50/60 Hz, 400mA

**Printer optional**
- **Type**: Thermal dot matrix
- **Speed**: 50 to 80 mm / second
- **Operating Noise**: < 50 dB SPL
- **Power Supply**: 7.4 V lithium battery or mains 100 V to 240 V 50/60 Hz
- **Weight**: 200 g
- **Data Transfer**: Wireless

**Test Specifications**
- **Measurement Type**: DPOAE (Distortion Product Otoacoustic Emissions), TEOAE (Transient Evoked Otoacoustic Emissions)
- **Frequency Range**
  - **Screening Version**
    - DPOAE: 2.0 kHz to 5.0 kHz
    - TEOAE: 1.5 kHz to 4.0 kHz
  - **Diagnostic Version**
    - DPOAE: 1.5 kHz to 12.0 kHz
    - TEOAE: 0.7 kHz to 4.0 kHz
- **Stimulus Intensity Range**
  - DPOAE: 40 dB SPL to 70 dB SPL
  - TEOAE: 80 dB SPL peak equivalent (+3 dB)

**Micro-Probe Specifications**
- **Microphone System Noise**: -20 dB SPL at 2 kHz (1 Hz bandwidth)/ -13 dB SPL at 1 kHz (1 Hz bandwidth)
- **Cable Length**: 1.1 m
- **Weight**: 28 g

** Standards**
- IEC 60645-6 2009 Type 2, IEC 60601-1 Type B, IEC 60601-1-2, according to the class IIa of the EU medical directive 93/42/EEC, FDA 510(k) K150491

**Standard Components**
ERÖ•SCAN device with rechargeable battery and probe, Eartip set (120 pcs.); Eartip removal tool; Replacement probe tubes; Carrying case; PC Software incl. database; Power supply

**Sanibel**
We highly recommend to use Sanibel disposables in order to guarantee optimal test results.

Specifications are subject to change without notice.

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