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 value and bar diagram, 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

**ERO•SCAN SPECIFICATIONS**

- **Power Supply**: Lithium-ion rechargeable
- **Battery Life**: 1000 tests per charge, minimum 20 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**

- **Model No**: UE08WCP-050160SPA
- **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
- **Power Supply**: 7.4 V lithium battery or mains
- **Input**: 100 V-240 V AC, 50/60 Hz
- **Weight**: 197 g
- **Data Transfer**: Wireless

**MICRO-PROBE 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\(_{pe}\) to 70 dB\(_{pe}\)
  - TEOAE: 80 dB\(_{pe}\) peak equivalent (+3 dB)
- **Microphone System**
  - -20 dB\(_{pe}\) at 2 kHz (1 Hz bandwidth)/
  - -13 dB\(_{pe}\) at 1 kHz (1 Hz bandwidth)
- **Noise**
  - -20 dBSPL at 2 kHz (1 Hz bandwidth)/
  - -13 dBSPL at 1 kHz (1 Hz bandwidth)
- **Cable Length**: 1.0 m
- **Weight**: 28 g

**STANDARD**

- IEC 60601-1 according to medical device directive 93/42/EEC
- FDA 510 (k) #980533 23.31998

**STANDARD COMPONENTS**

- ERO•SCAN device with rechargeable battery and probe, Eartip set (110 pc.); 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.