

## 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 pre-school 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

<b>Power Supply</b>	Lithium-Ion rechargeable
<b>Battery Life</b>	1000 tests per charge, minimum 20 hours on-time
<b>Dimensions</b>	66 mm x 31 mm x 145 mm
<b>Weight</b>	176 g
<b>User Interface</b>	OLED display 4-button keypad
<b>PC Interface</b>	USB micro, Wireless connection

### POWER SUPPLY SPECIFICATIONS

<b>Model No</b>	UE08WCP-050160SPA
<b>Output</b>	5.0 V DC, 1.6 A
<b>Input</b>	100 V-240 V AC, 50/60 Hz, 400mA

### PRINTER OPTIONAL

<b>Type</b>	Thermal dot matrix
<b>Speed</b>	50 to 80 mm / second
<b>Operating Noise</b>	< 50 dB <sub>SPL</sub>
<b>Power Supply</b>	7.4 V lithium battery or mains 100 V to 240 V 50/60 Hz
<b>Weight</b>	197 g
<b>Data Transfer</b>	Wireless

### MICRO-PROBE SPECIFICATIONS

<b>Measurement Type</b>	DPOAE (Distortion Product Otoacoustic Emissions) TEOAE (Transient Evoked Otoacoustic Emmissions)
<b>Frequency Range</b>	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
<b>Stimulus Intensity Range</b>	DPOAE: 40 dB <sub>SPL</sub> to 70 dB <sub>SPL</sub> TEOAE: 83 dB <sub>SPL</sub> peak equivalent (±3 dB)
<b>Microphone System</b>	-20 dB <sub>SPL</sub> at 2 kHz (1 Hz bandwidth)/
<b>Noise</b>	-13 dB <sub>SPL</sub> at 1 kHz (1 Hz bandwidth)
<b>Cable Length</b>	1.0 m
<b>Weight</b>	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

**Sanibel™**

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

#### Standard Components



ERO•SCAN™  
device



Probe



Eartip set



Carrying case

#### Optional Accessories



Printer

Specifications are subject to change without notice.

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