

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 _{SPL}
Power Supply	7.4 V lithium battery or mains 100 V to 240 V 50/60 Hz
Weight	197 g
Data Transfer	Wireless

MICRO-PROBE SPECIFICATIONS

Measurement Type	DPOAE (Distortion Product Otoacoustic Emissions) TEOAE (Transient Evoked Otoacoustic Emmissions)
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)
Microphone System	-20 dB _{SPL} at 2 kHz (1 Hz bandwidth)/
Noise	-13 dB _{SPL} 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

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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