

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
- Optional with MAICO Sessions PC Software, OtoAccess® Database, Noah Database, HearSIM™ PC Software



Technical Data

ERO•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

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 printer
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

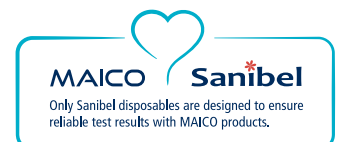
ERO•SCAN device with rechargeable battery and probe, Eartip set (120 pcs.), Eartip removal tool, Replacement probe tubes, Probe tube removal tool, Carrying case, Power supply

Optional Accessories

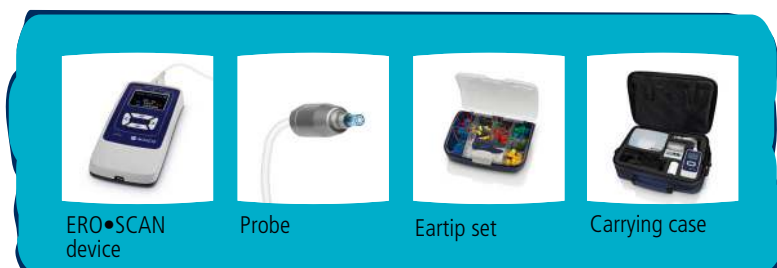
Wireless thermal printer, MAICO Sessions PC Software, OtoAccess® Database, Noah Database, HearSIM™ PC Software

Sanibel

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



Specifications are subject to change without notice.



ERO•SCAN device

Probe

Eartip set

Carrying case

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