

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
- Bluetooth® 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, Bluetooth®

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	Bluetooth®

MICRO-PROBE SPECIFICATIONS

Measurement Type	Distortion Product Otoacoustic Emissions (DPOAE) Transient Evoked Otoacoustic Emmissions (TEOAE)
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: 83 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



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

Specifications are subject to change without notice.

Standard Components					
	ERO•SCAN™ device	Probe	Eartip set	Carrying case	
	Optional Accessories				
		Printer			

MAICO Diagnostics GmbH

Sickingenstr. 70-71 · 10553 Berlin · Germany
Tel.: +49 30/70 71 46-50 · Fax: +49 30/70 71 46-99
sales@maico.biz · www.maico.biz