

## 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

- Screening and diagnostic measurements of TEOAE and / or DPOAE
- Fast automatic testing with PASS or REFER outcome
- Sharp, colored OLED display
- Graphical result display
- Diagnostic version with customizable protocols and DPOAE testing up to 12 kHz
- High noise immunity for operation in normal clinical environment
- Small and lightweight ear probe
- Optional with MAICO Sessions PC Software, OtoAccess® Database, Noah Database, HearSIM™ PC Software
- Optional wireless printer



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## Technical Data

### Otoacoustic Emissions

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 ( $\pm 3$ dB)

### Device General

Dimensions	W x D x H: 6.6 cm x 3.1 cm x 14.5 cm
Weight	176 g
Display	Color OLED display
Languages	English, Arabic, Chinese, French, German, Italian, Japanese, Korean, Portuguese, Polish, Russian, Spanish, Turkish
Storage	Maximum 500 tests
PC Interface	Micro USB
Battery Life	1000 tests per charge, minimum 15 hours on-time
Power Supply	Output: 5.0 V DC, 1.6 A Input: 100 V - 240 V AC, 50/60 Hz, 400 mA

### 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	1.10 m
Weight	28 g

### Optional Printer

Type	HM-E200, 2" portable thermal printer
Printing Time	<5 seconds per test result
Power Supply	100 - 240 VAC, 50/60 Hz
Dimensions	W x D x H: 8.5 cm x 13 cm x 5 cm
Weight	234 g
Data Transfer	Wireless

### Standards

OAE	IEC 60645-6, Type 2
Test Signal	IEC 60645-1, IEC 60645-3
Safety	IEC 60601-1, Type B
EMC	IEC 60601-1-2
CE 0123	according to Medical Device Regulation (EU) 2017/745, Class II

### Standard Components

ERO•SCAN device with rechargeable battery and probe, eartip box, eartip removal tool, replacement probe tubes, probe tube removal tool, carrying case, power supply

### Optional Components

Wireless printer kit HM-E200, infant ear simulator

### Optional Software

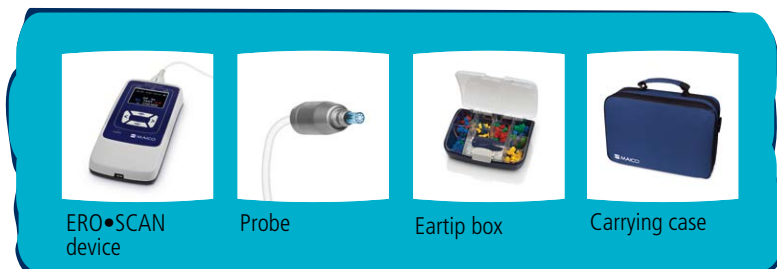
MAICO Sessions - Standalone, with OtoAccess® Database or Noah, HearSIM™ with OtoAccess® Database (Screener version only)

### 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 box

Carrying case

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