

For OAE screening and diagnostic testing
MAICO ERO•SCAN® Plus



- Performing screening and diagnostic testing with TE and / or DPOAE
- Fast automatic test with Pass / Refer and graphical test result display
- Sharp, colored Organic LED Display
- Direct evaluation via value and bar diagram
- Up to 12 frequencies displayed within the device, DP up to 12 kHz
- 5 DP / 2 TE protocols with user customizable parameters (diagnostic version)
- High noise immunity for operation in normal clinical environment
- Lightweight, small earprobe
- Environmentally friendly due to long life, rechargeable battery
- Bluetooth® communication to optional printer and PC
- Evaluation of results in PC

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Frequency specific OAE Evaluation

The new ERO•SCAN® Plus Version for frequency specific OAE testing (TEOAE and / or DPOAE) comes with a real plus factor: The sharp Organic LED display allows the direct evaluation via value and bar diagram and shows up to 12 frequencies and thus makes the handling even more comfortable. Appropriate to your needs you can choose between the ERO•SCAN® Plus Version with screening or diagnostic functions.

ERO•SCAN® with Screening Functions

The ERO•SCAN® with screening functions is the convenient choice for automatic Neonatal Hearing Screening.

ERO•SCAN® with Diagnostic Functions

The ERO•SCAN® with diagnostic functions offers advanced applications – suitable for Pediatricians, Occupational Health Services and Audiology. Customizable protocol parameters and an extended frequency range makes it ideal for Preschool screening and testing people of all ages.



MAICO ERO•SCAN® with carrying case, ear tip box and optional printer

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

Sanibel™

Technical Data

INSTRUMENT 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
Instrument Weight:	176 g
User Interface:	OLED display 4-button keypad

POWER SUPPLY SPECIFICATIONS

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


PRINTER (opt.)

Printer 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
Printer Weight:	197 g
Data Transfer:	Bluetooth

MICRO-PROBE SPECIFICATIONS

Measurement Type:	Distortion Product Otoacoustic Emissions (DPOAE) Transient Evoked Otoacoustic Emissions (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 Noise:	-20 dB _{SPL} at 2 kHz (1 Hz bandwidth)/ -13 dB _{SPL} at 1 kHz (1 Hz bandwidth)
Cable Length:	1.0 m
Weight:	28 g

GENERAL

Standards:	 IEC 60601-1 according to medical device directive 93/42/EEC FDA 510 (k) #980533 23.3.1998
PC-interface:	USB micro, Bluetooth
Standard Accessories:	Device with rechargeable Battery, Ear Tip Set (110 pc.), Replacement Probe Tubes, Carrying Bag, PC Software incl. Database, Power Supply

ERO•SCAN® is a U.S. registered trademark of ETYMOTIC RESEARCH.

Specifications are subject to change without notice.



MAICO Diagnostic GmbH
Salzufer 13/14
10587 Berlin
Germany

Tel.: +49 30/70 71 46-50
Fax: +49 30/70 71 46-99
E-Mail: sales@maicobiz
Web: www.maico.biz

Илан Медицинска Апаратура ООД
гр. Варна, ул. Кирил Шиваров 9 Б
тел. **0700 17373**
факс 052 612258
e-mail: office@ilan.bg
www.ilan.bg