

## The best solution for fast and objective Hearing Screening and Diagnostic Testing **MAICO ERO•SCAN®**



- Frequency specific tests of otoacoustic emissions with TEOAE and / or DPOAE
- Performing screening and diagnostic testing for all settings
- DPOAE testing up to 12 kHz
- Up to 9 protocols – 5 DP / 2 TE protocols with user customizable parameters
- High noise immunity for operation in normal clinical environment
- Fast automatic test with Pass / Refer and graphical test result display
- Lightweight, small earprobe
- Environmentally friendly due to long life, rechargeable battery
- Bluetooth® communication to optional printer

# For fast and objective OAE testing MAICO ERO•SCAN®

## Frequency specific OAE Evaluation

The ERO•SCAN® is an easy and safe to handle device for frequency specific OAE testing (TEOAE and / or DPOAE). Appropriate to your needs you can choose between the ERO•SCAN® 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 – not only being suitable for pediatricians, but also adapting to the special needs of Occupational Health and Audiology. Customizable protocol parameters and an extended frequency range makes it ideal for Preschool screening and testing people of all ages.

## Easy handling by 4 button operation

This easy to use handheld OAE System can be operated by just 4 buttons. Due to the high noise immunity ERO•SCAN Screener can be used in any normal clinical environment. Pass or refer is shown together with the frequency specific test results on the built-in graphical LCD-display.

## Cost saving and environment friendly

ERO•SCAN Screener is compatible with Sanibel disposables. The long life battery is rechargeable and lasts for 500 tests and more.



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

## Lightweight, high-accuracy probe

The lightweight, high-accuracy probe is very small and suitable for every ear size, even for newborns. The probe tube is replaceable and fits many different ear tip sizes from 3 mm up to 15 mm.

## Memory and optional printer

Up to 250 tests can be saved to the nonvolatile memory. In addition a detailed test report with test settings and results can be printed out by an optional battery operated bluetooth printer. The printout is automatically generated.

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

### Technical Data

#### MICRO-PROBE SPECIFICATIONS

Measurement Type:	Distortion Product Otoacoustic Emissions (DPOAE) Transient Evoked Otoacoustic Emissions (TEOAE)
Frequency Range:	<b>Screener version:</b> DPOAE: 2.0 kHz to 5.0 kHz TEOAE: 1.5 kHz to 4.0 kHz <b>Diagnostic version:</b> 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 @ 2 kHz (1 Hz bandwidth) / -13 dB SPL @ 1 kHz (1 Hz bandwidth)
Dimensions and Weight:	Length: 1.0 meter (40 in.) Weight: 28 gm (1.00 oz.)
Connector:	HDMI

#### 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


#### INSTRUMENT SPECIFICATIONS

Power Supply:	Lithium-Ion rechargeable
Battery Life:	1000 tests per charge, minimum 20 hours on-time
Dimensions and Weight:	Dimensions: 66 mm x 31 mm x 145 mm Instrument Weight: 176 g
User Interface:	Liquid-Crystal Display 4-button keypad

#### PRINTER (opt.)

Printer type:	Thermal dot matrix
Speed:	50 to 80 mm / second
Operating noise:	< 50 dB <sub>SPL</sub>
Power supply:	7.4 V lithium battery or mains 100 V to 240 V 50/60 Hz
Printer weight:	197 g
Data transfer:	Bluetooth®

#### GENERAL

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

SPECIFICATION CAN BE SUBJECT TO CHANGE WITHOUT NOTICE

THE UK'S LEADING SOURCE OF AUDIOLOGICAL INSTRUMENTS