

The best solution for fast and objective Hearing Tests
MAICO ERO•SCAN™ OAE-SCREENER



- Optimal solution for objective Hearing Tests from newborns to adults
- Frequency specific test of otoacoustic emissions with TEOAE or DPOAE
- Easy to use with PASS / REFER and graphical test result display
- Fast automatic test (typ. 7 seconds) with accurate, reliable results
- High noise immunity allows operation in normal clinical environment
- External mini probe operates in addition to built-in probe
- Excellent price / performance ratio
- Test results can be downloaded to a PC via serial RS 232 cable



Objective early detection of hearing disorders with the MAICO ERO•SCAN™ OAE-SCREENER

Fast automatic OAE evaluation

The MAICO ERO•SCAN™ SCREENER has been designed for a fast automatic testing of new-born babies, children and adults. It can be used in hospitals, clinics and medical offices. After a few seconds the test for one ear is typically done. PASS or REFER together with the frequency specific test result (DPOAE in the range of 2 to 4 kHz; TEOAE 1.5 to 4 kHz) is shown on the built-in graphical LCD-display.

Easy handling

The MAICO ERO•SCAN™ SCREENER is easy to use, with uncomplicated operation and test analysis. The MAICO ERO•SCAN™ SCREENER consists of the lightweight instrument, the cradle and additional external probe. The PASS / REFER result makes screening easy. In addition a detailed test report with test settings and results can be printed out with the optional printer.

Lightweight, high-accuracy instrument

The lightweight (300 g including batteries) MAICO ERO•SCAN™ SCREENER has an integrated mechanically-isolated probe tip which permits hand-held operation with no degradation in noise specification. Up to 50 tests are saved to the non-volatile memory. When a corded probe is required, i.e. with some new-borns, the external mini-probe can be used.

Connectable to any PC

The MAICO ERO•SCAN™ SCREENER can be connected via the serial port with any PC. The optional Windows program allows to store the detailed test report with test settings and results on the PC. A data export to other programs like i.e. OZ is possible.

ERO•SCAN™ is a trademark of ETYMŌTIC RESEARCH

For more information about neonatal hearing screening please visit our homepage: www.beraphone.com

Optional Accessories/Disposables:

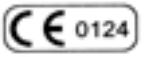
Printer with power supply	Part.No. 8 0 1 6 4 1
Printer with rechargeable battery	Part.No. 8 0 1 6 4 2
Carrying case	Part.No. 7 0 5 0 7 6 - 1
Thermal printer paper	Part.No. 7 0 5 0 7 7
Ear tips in different sizes	on request



MAICO ERO•SCAN™ SCREENER with external probe, cradle and optional printer

Technical Data

Probe:	
Measurement type:	TEOAE or DPOAE
Frequency range:	2 to 4 kHz (DPOAE) 1.5 to 4 kHz (TEOAE)
Stimulus intensity range:	40 to 65 dB _{SPL}
Maximum output:	90 dB _{SPL}
Microphone system noise:	-15 dB _{SPL} @ 1 kHz (1 Hz BW)
Stimulus sampling rate:	31.25 kHz
Power supply:	6 V- battery - four AA cells
Battery life:	typical 300 tests
Probe weight:	300 g (including batteries)
Display:	LCD-display 4 lines x 10 characters
Printer (optional):	
Printer type:	Thermal dot matrix
Speed:	> 10 lines / second
Operating noise:	< 50 dB _{SPL}
Power supply:	Mains 100 ... 240 V 50/60 Hz or Ni-MH rechargeable battery pack
Printer weight:	630 g (with power supply or battery pack)

General:	
Standards:	IEC 601-1 according to medical directive 93/42/EEC  FDA 510 (k) #980533 23.3.1998
PC-interface:	serial RS 232
Standard Accessories:	Instrument with four AA-batteries, cradle, external mini probe, replacement probe tips, set of ear tips

Specifications are subject to change without notice.



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