

MAICO ERO•SCAN™ OAE-SCREENER

The best solution for fast and objective Hearing Tests



- 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

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General Technical Specifications

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 5 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.

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Optional Accessories/Disposables:

Printer with power supply	Part.No. 801 641
Printer with rechargeable battery	Part.No. 801 642
Carrying case	Part.No. 705 084
Thermal printer paper	Part.No. 705 077
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 5 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- batteries - 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 eartips



SPECIFICATION CAN BE SUBJECT TO CHANGE WITHOUT NOTICE

THE UK'S LEADING SOURCE OF AUDIOLOGICAL INSTRUMENTS