

ERO•SCAN® OAE Test System

Features at a Glance

- 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
- Wireless communication to optional printer and PC
- Evaluation of results in PC

Frequency specific OAE Evaluation

The new ERO•SCAN® for frequency specific OAE testing (DPOAE and / or TEOAE) 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® screener or diagnostic.

Available in two versions:

Screener with 4 frequency DPOAE testing protocols

- Qualified protocols built into the device
- 4 DPOAE test frequencies reported
- Integration to state tracking systems, Hi-Track or Oz

Diagnostic with 4, 6, and 12 frequency DPOAE testing protocols

- 1.5 to 12 kHz frequency range with up to 12 test frequencies reported
- Customizable test protocols
- TEOAE available as an upgradeable option



Technical Data

Measurement Type: Distortion Product Otoacoustic Emissions (DPOAE)
Transient Evoked Otoacoustic Emissions (TEOAE)

Frequency Range: Screener 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 (±3 dB)

Microphone System Noise: -20 dB_{SPL} @ 2 kHz (1 Hz bandwidth)
-13 dB_{SPL} @ 1 kHz (1 Hz bandwidth)

Length and Weight (Probe): 40 in
1 oz

Dimensions and Weight (Unit): 2.58 in x 1.23 in x 5.78 in
6.4 oz

Power Supply: Lithium-ion rechargeable

Battery Life: 1000 tests per charge, minimum 15 hours on-time

User Interface: OLED Display to provide user information and progress of measurement

4-button keypad to control instrument functions

Connectors/Communications: Integrated USB communication capability for battery charging and communication with PC-based database programs or an optional printer

HDMI connector for connection to the Micro-Probe

Wireless Class 2 + EDR with SPP protocol for communication with optional printer

STANDARD ACCESSORIES

- Micro-Probe
- Box of single use ear tips and ear tip remover
- Package of probe tubes
- Micro-USB power supply for charging lithium ion-battery
- PC database software
- Operations manual
- Micro B to A USB cable for PC communicator/charging
- Protective carrying case

OPTIONAL ACCESSORIES

- Printer
- Printer power supply
- Thermal printer paper roll



Specifications subject to change without notice.

Standard Accessories



Carrying Case



ERO•SCAN
Charger



Ear tip Kit



Patient Management
Software



Micro USB Cable



Probe



Probe Tubes



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ONE YEAR LIMITED WARRANTY: This warranty is extended to the original purchaser of the instrument, by MAICO, through the Distributor from whom it was purchased. The warranty covers defects in material and workmanship for a period of one year from date of invoice of the instrument to the original purchaser. Accessories which are purchased from MAICO at the same time as the instrument are also under warranty for one year from the date of invoice. For additional information contact your MAICO Distributor.