



Why do professionals choose **Bio-logic Scout Sport** as their PC-based diagnostic OAE system of choice?

Scout Sport's Windows®-based software features easy-to-use menus with a library of diagnostic OAE protocols:

- Diagnostic and screening DP and TE protocols
- Customizable DP protocols with a frequency range of 500 Hz - 10,000 Hz
- Diagnostic DP protocols meet CPT requirements
- Input/Output functionality
- Multiple choices for normative data comparison, included in the software
- Customizable report templates
- User interface common to the Bio-logic family of products
- Easy to clean, durable and comfortable OAE probe
- Patented Bio-logic OAE supplies for all ages



Scout OAE software adds flexibility and complements existing Bio-logic brand hearing products such as the Bio-logic Navigator® Pro AEP diagnostic system.

Technical specifications

General settings (DPOAE)

Supported Transducer	Bio-logic OAE Probe
Stimulus type	Two simultaneously presented pure tones (frequencies F1 and F2)
Stimulus frequency range	Between 500 and 10000 Hz - User programmable
Stimulus duration	Test stops automatically when stopping criteria is reached. User programmable max time=64 seconds per each F1/F2 frequency pair. Typical time out is 20 seconds.
Stimulus amplitude (L1 and L2)	Up to 80 dB SPL - User programmable. Typical intensity if L1=65 dB for F1 frequency and L2=55 dB for F2 frequency
Stimulus frequency ratio (F2/F1)	User programmable between 1 and 1.8. Typical ratio is 1.22
DP Signal Evaluation Frequency	2*F2-F1
Noise Evaluation Bands	Between 1 and 3 sidebands adjacent to DP frequency. User programmable
Sample frequency	48000 Hz
Sample size	Between 1024 or 2048 points. User programmable
Minimum number of samples	Between 2 and 500. User programmable
Evaluation end time	5.00 to 16.60. User programmable
High Pass Filter Settings	Between 0 and 8000 Hz (300 Hz default). User programmable
Artifact Rejection Threshold	0-200 mPa. User programmable

Stopping Criteria (DPOAE)

Minimum DP amplitude	Between -90 to 40 dB. User programmable
Noise floor	Between -90 and 80. User programmable
Signal-to-noise ratio	Between 6 and 200. User programmable 50-60 Hz

General settings (TEOAE)

Center frequencies for individual bands	1000, 1500, 2000, 3000, 4000 Hz
Overall frequency range	Between 750 and 5000 Hz
Stimulus target amplitude	0 to 80 dB
Samples per set	2 and 200
Evaluation start time	3.50 to 7.00 msec
Evaluation end time	5.00 to 16.60
High Pass Filter Setting	700-5000 Hz
Low Pass Filter Settings	1000-10000 Hz
Artifact Rejection Threshold	0-200 mPa
Ramp time	0.20 to 3.00

Stopping Rules

Minimum TE amplitude	-25 to 90 dB
% reproducibility	0 to 100
Minimum TE-NF	6 to 100
Minimum NF amplitude	-20 to -10
Maximum number of samples	16 to 1024

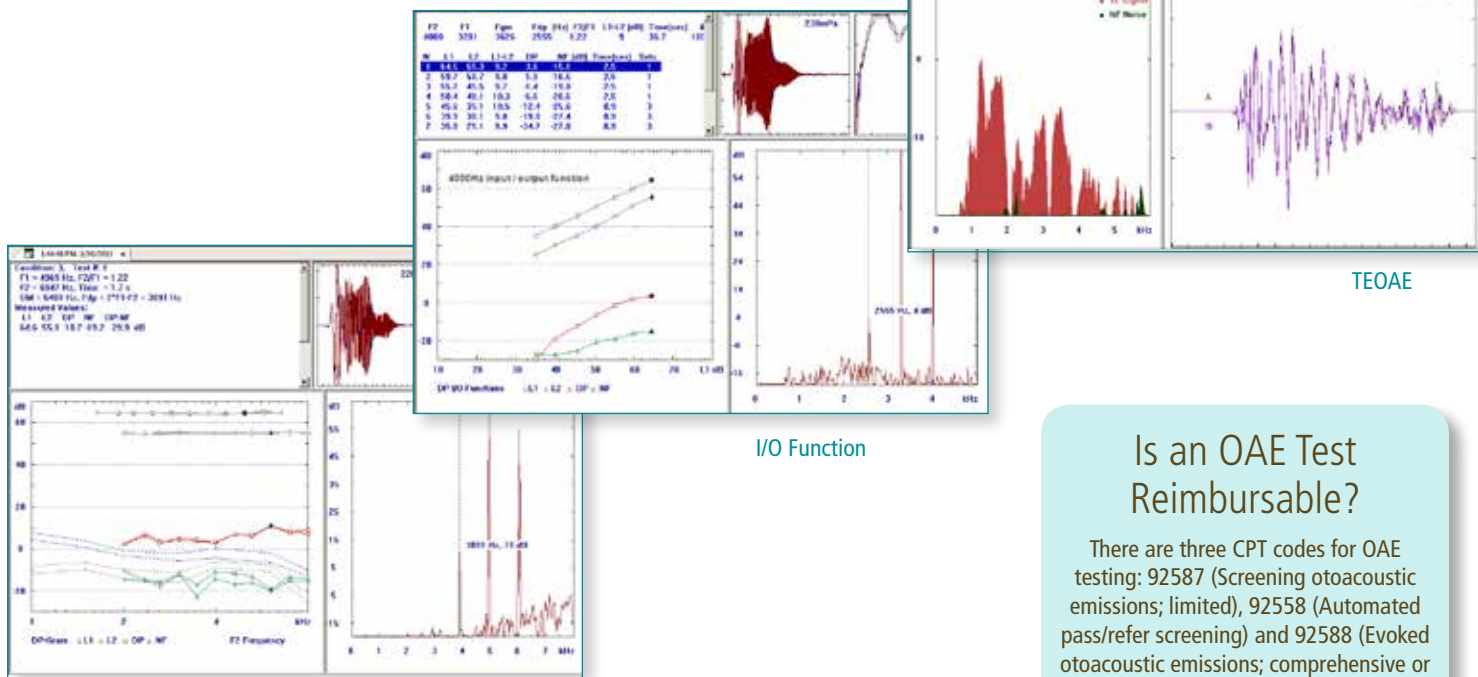
Pass/Refer Criteria

Minimum TE amplitude	-20 to 50 dB
% reproducibility	0 to 100
Minimum TE-NF	6 to 90
Noisy message	-20 to 70

OAE probe

Microphone frequency response	100 - 10000Hz (+-3 dB)
Microphone sensitivity (@1 kHz re 1 V/Pa)	-33 dB
Speaker frequency bandwidth	100 - 10000 Hz (+-5 dB)
Speaker sensitivity	90 dB SPL (@ 1 kHz re 1 VAC)

Scout software is compatible with Windows® XP and Windows 7



DPOAE

TEOAE

I/O Function

Is an OAE Test Reimbursable?

There are three CPT codes for OAE testing: 92587 (Screening otoacoustic emissions; limited), 92558 (Automated pass/refer screening) and 92588 (Evoked otoacoustic emissions; comprehensive or diagnostic evaluation).