

Tympanometer Technical Specifications

General Specification:

Test Types: Tympanometry, Acoustic Reflex Threshold, Reflex Decay, Eustachian Tube Function.

TYMPANOMETRY

Probe Frequency:

226 Hz \pm 1 %, 85 dB SPL \pm 1.5 dB
678 Hz \pm 1 %, 72 dB SPL \pm 1.5 dB
800 Hz \pm 1 %, 70.5 dB SPL \pm 1.5 dB
1 kHz \pm 1 %, 69 dB SPL \pm 1.5 dB

Pressure Range: - 600 to + 400 daPa
Accuracy of Pressure: \pm 5 % or \pm 10 daPa
Volume Range: 0.0 to 6.0 ml (compensated)
Compliance Range: 0.1 to 8.0 ml at 226 Hz
0.1 to 15.0 mmho at 678, 800 and 1000 Hz
Accuracy of Volume: \pm 5 % or 0.1 ml
Test Time Measurement: 3 - 5 seconds

ACOUSTIC REFLEXES:

Test Frequencies: 500 Hz, 1000 Hz, 2000 Hz, 4000 Hz \pm 1 %
Test Noise: BB, LP, HP
Test Methods: Ipsilateral, contralateral
Level Ipsilateral: 70 to 105 dBHL
Level Contralateral: 70 to 120 dBHL
Level Setting: Automatic, fixed
Ipsilateral Reflex Test: With AGC

ETF Test (EUSTACHIAN TUBE FUNCTION)

Test Methods: Intact and perforated
Pressure Range: - 600 to + 400 daPa

REFLEX DECAY:

Standard: Probe frequency 226 Hz
Test Frequencies: 0.5, 1, 2, 4 kHz \pm 1 %
Test Noise: BB, LP, HP
Level Ipsilateral: 70 to 105 dBHL
Level Contralateral: 70 to 120 dBHL

General/Hardware Specifications:

Display: The device should have touch screen display.
Probe: The Probe should be light weight with built in control light and switch to select the ear side.
Printer: The Device should have Inbuilt thermal printer facility.
PC Interface: The Device should have facility of PC Connection through USB cable.
Power Supply: Mains 100 to 240 V \sim \pm 10 %, 50 - 60 Hz \pm 10 %

STANDARD

IEC/ EN 60601-1, class I, Type B
IEC 60645-5, Type 2/ ANSI S3.39, Type 2

Standard Accessories:

55



Probe Unit
DD45 Contra Headset.
Ear tips box with multiple size
User Guide
Cleaning kit
Paper Rolls
Software for PC Connectivity and reporting.

SMA