TECHNICAL SPECIFICATIONS

DIMENSIONS AND WEIGHT
W x D x H: 16 in x 11 in x 14.5 in (41 cm x 28 cm x 77 cm)
Weight: 12 lb (5.5 kg)
Test Types: Tympanometry, Acoustic Reflex Threshold, Reflex Decay, Eustachian Tube Function (Intact, Perforated, and Patulous)
Protocols: Diagnostic, Screening, Multi-component Tympanometry, Auto Sequence, and User Defined
Display: Internal color touch screen and optional external HDMI monitor
Interface: USB (keyboard, mouse, Flash Drive, PC communications)
Printout: External printer
Probe Tone: • 226 Hz (85 dB SPL ± 1.5 dB)
            • 678 Hz (72 dB SPL ± 1.5 dB)
            • 1000 Hz (69 dB SPL ± 1.5 dB)
            • Accuracy: ± 1%
            • Harmonic Distortion: Less than 1%

ADMITTANCE MEASUREMENTS
Range: 226 Hz (-10 to +10 mmho) 678 Hz (-21.0 to +21 mmho) 1000 Hz (-32.0 to +32 mmho)
Sensitivity Scale: Auto scales to appropriate range, manual selection also possible in Reflex Modes only
Accuracy (226 Hz):
  • Tymp Mode: ± 5% of reading or ± 0.1 mmho, whichever is greater
  • Reflex Mode: ± 5% of reading or ± 0.02 mmho, whichever is greater

PRESSURE MEASUREMENTS
(Load volume of 0.2 to 7.0 ml)
Range: Normal = +200 to -400 daPa, Wide = +400 to -600 daPa
Accuracy: ± 10% of reading or ± 10 daPa, whichever is greater
Sweep Rate: 12.5, 50.0, 200, 600 and 600/200 daPa and manual
Sweep Accuracy: 10% of nominal rate
Maximum Limits (in 0.5cc cavity): -800 daPa and +600 daPa

REFLEX MEASUREMENTS
Stimuli: 250, 500, 1k, 2k, 4k, BBN, LBN, HBN, click, external input, non-acoustic
Frequency Accuracy: ± 3%
Harmonic Distortion (THD): Less than 5% (measured acoustically)
Noise Signals: (3 dB bandwidths)
Low Band: 400 -1600 Hz
High Band: 1,600 -4000 Hz
Broad Band: 400 -4000 Hz
Intensity Range: 35 to 120 dB HL
Step Size: 5 dB, 1 dB and 2 dB
Calibration Accuracy: ± 3 dB
Step Accuracy: ± 0.5 dB
ON/OFF Ratio: 70 dB minimum

STANDARD ACCESSORIES
• Probe assembly (including contralateral insert ph one)
• Ear tip sample kit
• Calibration test cavity
• Cleaning kit
• Probe mount kit (shoulder, clip, wrist band)
• User Quick Guide
• Reference Instruction Manual

ENVIRONMENTAL
Storage: +32° F (0° C) to +122° F (50° C)
Operating: +59° F (+15° C) to +95° F (+35° C)
Transport: 4° F (-20° C) to +122° F (+50° C)
Humidity: 90% at 95° F (+35° C) (non-condensing)
Atmospheric Pressure: 98 kPa to 104 kPa

POWER
Power Consumption: 60 Watts Maximum
Input Voltage: 100-240 VAC
Input Frequency: 50-60 Hz
Average Operating Current Idle: 220 mA
Average Operating Current Running Test: 290 mA

QUALITY SYSTEM
Manufactured, designed, developed, and marketed under an ISO 13485 certified quality system

COMPLIANCE
• Designed, tested, and manufactured to meet the following domestic (USA), Canadian, European, and International Standards:
  • IEC 60601-1, EN 60601-1 International Standards for Medical Electrical Equipment
  • CAN/CSA-C22.2 No. 60601-1
  • ANSI S3.39, IEC 60645-5, ISO 389
  • Medical Device Directive (MDD) 93/42/EEC

RELIEABLE CLINICAL TYMPANOMETER

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