

FONIX FP35 Portable Hearing Aid Analyzer

SPECIFICATIONS

FREQUENCIES

Range: 200-8000 Hz in 100 Hz intervals (user interface)
200-8000 Hz in 1 Hz intervals (RS232)

Accuracy: $\pm 0.25\%$.

SIGNAL LEVELS

Range: 40-100 dB in 5 dB intervals coupler, 40-90 dB in 5 dB intervals real-ear (user interface)
40-100 dB in 0.01 dB intervals coupler, 40-90 dB in 0.01 dB real-ear (RS232)

Accuracy: Coupler: ± 2.5 dB from 300 to 5000 Hz, all others ± 3.5 dB (after leveling)
Real-ear: ± 3 dB, 200-8000 Hz (after leveling)

Distortion (at 70 dB SPL): Puretone: $< 0.5\%$, 400-2500 Hz

SIGNAL TYPES

Digital Speech, Composite, Puretone (Long, Normal, Fast, and Short sweeps), External

TELECOIL

Electrical output: 0 – 8.0 mA RMS puretone

Magnetic field strength settings: TMFS (Telewand), 1, 1.78, 3.16, 5.62, 10, 17.8, 31.6, 56.2,
100 mA/m (Telecoil board) (user interface)
0-180 mA/m in 0.01 mA/m specified intervals (RS232)

Accuracy: ± 2 dB

DIGITAL MEASUREMENT AND READOUT OF SOUND PRESSURE LEVEL

Frequency Range: 200-8000 Hz

Amplitude Range: 0-150 dB SPL

Resolution: 0.1 dB

MEASUREMENT ACCURACY & RANGE

Coupler measurements: ± 2.0 dB

Probe measurements: ± 2.0 dB

Reference measurements: ± 2.0 dB

Equivalent Input Noise: < 50 dB SPL

HARMONIC DISTORTION

Tests available: 2nd, 3rd, and Total (2nd + 3rd)

Resolution: 0.1 %

Accuracy: $\pm 10\%$ of measurement (at signal levels 80 dB SPL and above)

AVAILABLE TESTS

Automated test sequences: ANSI S3.22-1996, ANSI S3.22-2003, IEC 60118-7:1994, JIS:2000, ISI

Additional Coupler Test Screens: Coupler Multicurve, Coupler Target, Coupler EarSim

Real-ear Test Screens: Audiogram Entry, Insertion Gain, Real-ear Unaided & Aided, Real-ear SPL

POWER

Source voltage: 90 - 250 volt AC

Frequency Range: 47 - 63 Hz

PHYSICAL CHARACTERISTICS

Net Size: 16 x 11 x 4.9 inches

Net Weight: 12 lbs (5.45 Kg) with softcase and all accessories except manual

Chamber test area: 2.65" W x 5.25" L x 1.1" H in acoustical foam treated area

Shipping weight: 16 lbs

Shipping dimensions: 20 x 17 x 10 in

INTERNAL PRINTER

Type: Thermal

Paper width: 79 mm

EXTERNAL PRINTER

Interface: Parallel

Language: HP PCL3



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