

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

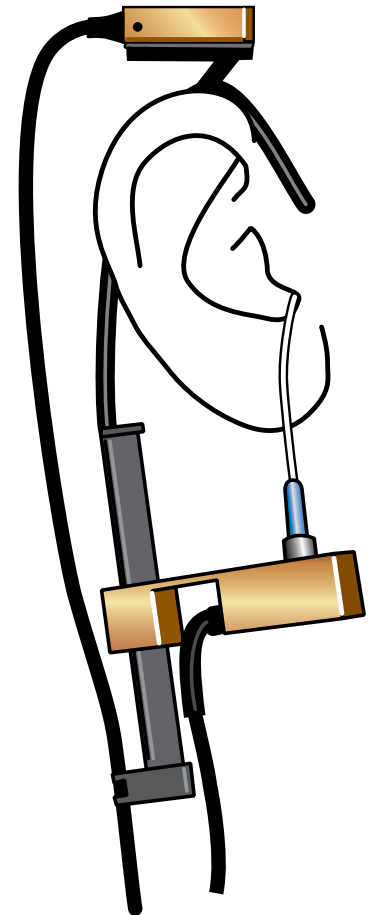
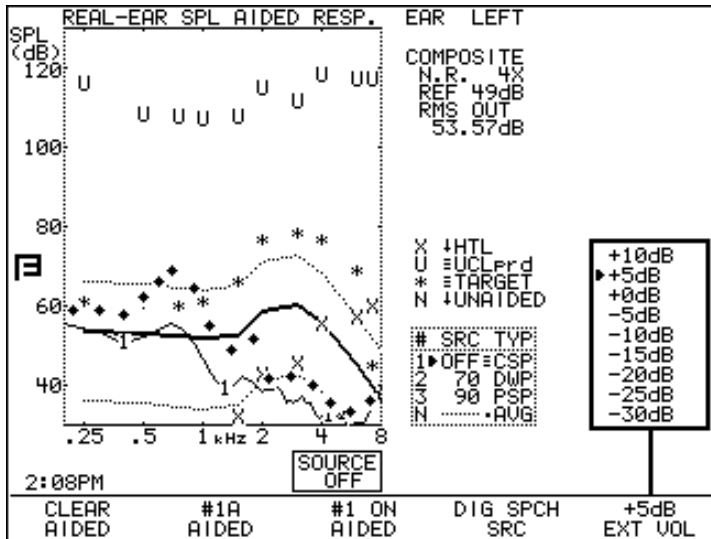
Language: HP PCL3



FRYE ELECTRONICS, INC.

P.O. Box 23391 • Tigard, OR 97281-3391 • USA
(503) 620-2722 • (800) 547-8209
Fax: (503) 639-0128
www.frye.com • email: sales@frye.com

Introducing New Features on the FONIX FP35 Portable Hearing Aid Analyzer



M757 Integrated probe microphone

Speech Input

Use pre-recorded speech signals as part of your Visible Speech measurements with this great new feature. The new version of the FP35 hardware includes a line-in connector that allows you to connect an external CD player to the FP35 analyzer. Calibrate and play your choice of CDs containing real speech, music, an assortment of sounds, or any other noise you want to use, and measure the hearing aid's frequency response.

Integrated Probe Microphone

The FP35 now includes our adjustable, integrated probe microphone. The integrated probe microphone consists of a new advanced design that is smaller, lighter, and more adjustable than our previous microphone design, making your real-ear measurements both easier and more convenient. The new microphone is dedicated exclusively for real-ear measurements. A second microphone for performing coupler measurements is connected inside the sound chamber.

Combined with our recent software improvements to the user interface, the FP35 analyzer is more advanced and easier to use than ever!



FRYE ELECTRONICS, INC.

P.O. Box 23391
Tigard, OR 97281-3391
(503) 620-2722 • (800) 547-8209
Fax: (503) 639-0128
www.frye.com
E-mail: sales@frye.com