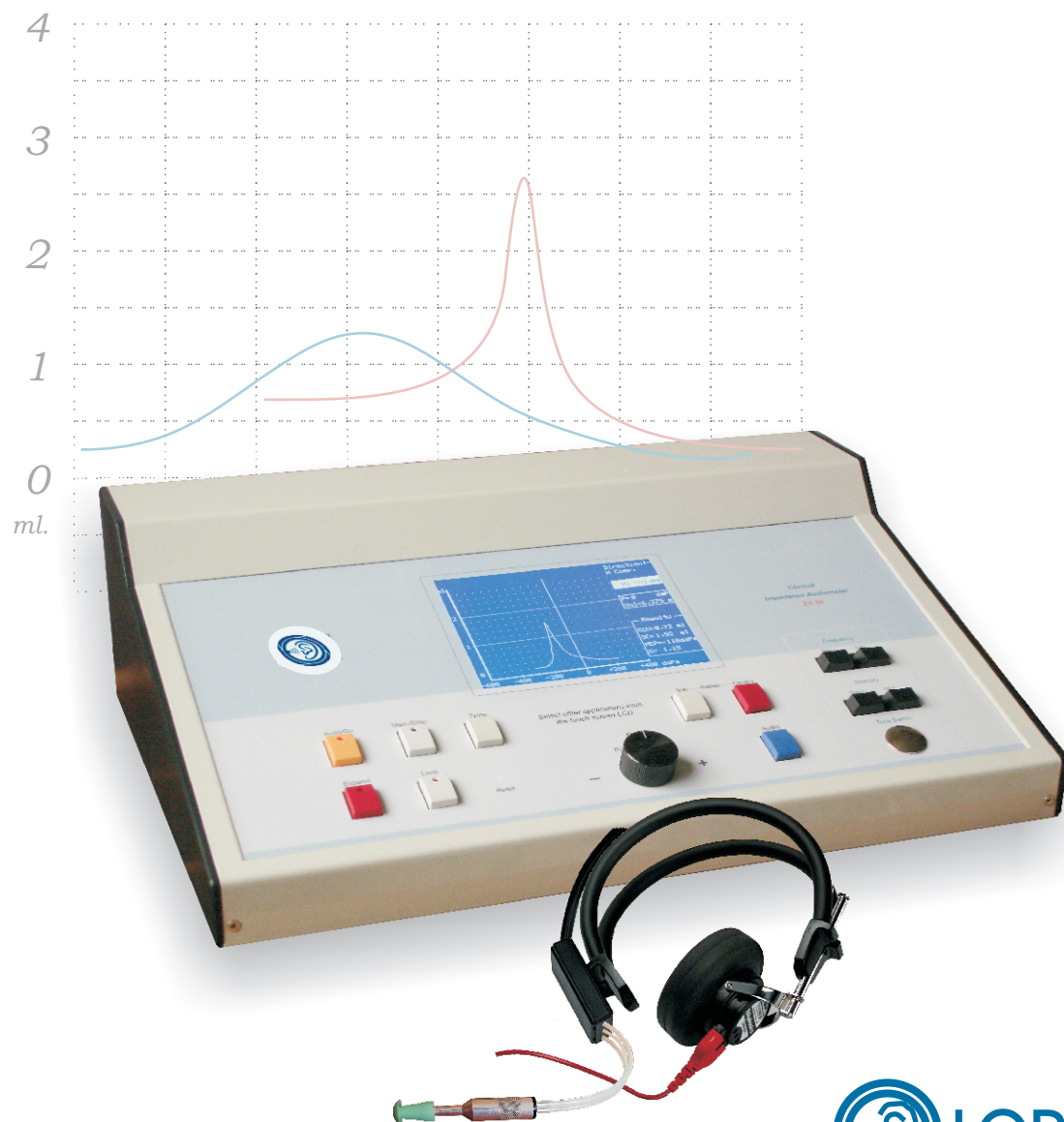


Clinical Impedance Audiometer EA 86

The EA86 is a comprehensive impedance audiometer specifically designed for advanced clinical applications. Tympanometry with a range of pressure limits is available together with acoustic reflex tests which include reflex decay measurement. Eustachian Tube Function may be evaluated even with a perforated eardrum. To permit the easy checking of hearing thresholds, an air conduction audiometer is incorporated within the EA 86.



EA 86 Specifications

Standards :

Safety: EN 60601-1 Class1,Type B
 Impedance: EN 61027/ANSI S3.39.Type 1
 Audiometer: EN60645-1/ANSI S3.6,Type 4

Tests:

Tympanometry: Manual or automatic.
Eustachian Tube Test: Manual or automatic.
 Normal eardrum or perforated eardrum.
Reflexometry: Including decay test and manual reflexometry.
Audiometry: Manual.

Impedance:

Type 1. Manual or automatic control.
Probe Tone: 226HZ,+/-1% 85dB SPL , +_1.5 dB.
Harmonic Distortion:Less than 5%.

Air Pressure Control:Manual or automatic.

Pressure Range: -300 to +250 daPa.
Maximum Limits: -600 to +400 daPa.
Pressure Accuracy: 10% or 10 daPa.

Compliance Range: 0.1 to 6.0 ml.
Compliance Accuracy: +_5% or 0.1 ml.

Frequencies and Maximum

Intensities:

Freq.	Ipsi.	Contra	Audiometry
Hz	dB HL	dB HL	dB HL
250		90	90
500	110	100	100
1000	110	120	120
2000	100	120	120
3000	90	120	120
4000	85	120	120
6000		120	120
8000		100	100
WB		110	110
HP		110	110
LP		110	110

Ipsilateral Stimulation:

Frequencies: 500, 1000, 2000, 3000, 4000 Hz.
Intensities: See table.
Frequencies Accuracy: +_3%.
Harmonic Distortion:Less than 4%.

Contralateral Stimulation:

Frequencies: 250, 500, 1000, 2000, 3000, 4000, 6000, 8000 Hz.
Noise: Wide Band, High Pass, Low Pass.
Intensities: See table.
Frequencies Accuracy: +_3%.
Harmonic Distortion:Less than 4%.

Step Size: 5 dB.
Step Accuracy: 0.5 dB.
Compliance Accuracy: +5% or 0.02 ml.

Reflex Decay:

Stimulus duration: 10 seconds.
Stimulus: as above.
Reflex Latency: Manual.

Audiometer: Type 4.

Frequencies: 250, 500, 1000, 2000, 3000, 4000, 6000, 8000 Hz.
Noise: Wide Band, High Pass, Low Pass.
Frequencies Accuracy: +_3%.
Harmonic Distortion: Less than 4%.
Step Size: 5 dB.

Computer Communication:

Built-in RS232C input/output computer interface.

Power: 200 to 240V, AC 50/60 Hz.
Consumption: Max. 20VA.

Dimensions: L xW xH :42 x 30 x 12.5cm / 15.7 x 11.7 x 5 inches.

Weight: 4.0 Kg.
Air Freight Packing: 45 x 35 x 19cm 17.7 x 13.7 x 7.5 inches.
 Gross weight: 6.0 kg .

Construction: Painted metal cabinet.

Included Parts:

TDH39 Earphone and Headband Probe System
 Complete Set of Eartips
 Power Cable: 230V Cable.
 RS232 Computer Connection Cable
 ZA84 Software Program
 Operation Manual

Options:

PT 2 Calibration Cavities 2 ml
 BET50 Complete Set of Eartips
 Patient Signal Button
 Recording paper
 Carrying Case



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