

# PORTABLE AUDIOMETERS

33612

- 33610 SCREENING AUDIOMETER AS5-A - air conduction
- 33612 DIAGNOSTIC AUDIOMETER AS5-AOM - air+bone+masking

Gima audiometers have a microprocessor allowing simple and quick measure audition levels. All the operations can be made by a membrane keyboard and visualized on an alphanumeric LCD display of 16 characters.

- 33620 TEST RESULTS PAD - pack of 100
- 33621 INSULATION DEVICE for air conduction phone (insulation 3-4 db)
- 33622 AIR CONDUCTION PHONE TDH39 - spare
- 27139 CARRYING BAG - nylon



AUDIOMETERS FEATURES		
	33610 AS5-A	33612 AS5-AOM
Audiometry type	4 screening	3 diagnostic
Air conduction	•	•
TDH39 phones	•	•
Continuous tone	•	•
Pulse tone	•	•
Signal indicator	•	•
Masking by white noise	•	•
Bone conduction		•
Bone vibrator		•
Patient response	•	•
LCD display	•	•

TECHNICAL SPECIFICATIONS	
Channels: one	
Masking noise (33612 only):	White noise
	Level range = 30 to 80 dB SPL
	Levels increments = 5 dB
Power supply:	220 V 50/60 Hz, 15 W (110-120V on request)
Dimensions:	342x246x95 mm
Weight:	2.5 Kg
Safety standard:	UNE 20-613, IEC 601.1 Made in Europe

FREQUENCY AND SOUND PRESSURE LEVELS									
Frequency	250	500	1000	2000	3000	4000	6000	8000	Hz
Max. pure tone ac	90	105	105	105	105	105	90	80	dB HL
Max. pure tone bc	40	50	50	50	50	50	-	-	dB HL
Min. pure tone ac/bc	-10	-10	-10	-10	-10	-10	-10	-10	dB HL
Level increments	5	5	5	5	5	5	5	5	dB HL
Frequency accuracy	±3% at all frequencies								
Levels accuracy	±3 dB								
	ISO 389, UNE 74-020-78								

STANDARD ACCESSORIES	
1. Air conduction phones TDH-39	
1. Bone conduction phone (only for 33612)	
1. Patient response switch	
1. Test results pad (100 sheet)	
1. Pen (red, blue)	
User manual (GB, IT. On request ES)	

## SCREENING DIAGNOSTIC AND CLINICAL 2 CHANNEL AUDIOMETERS

Dimension: 390x260x105 mm  
Weight: 2.4 kg without accessories  
Power: 100-240 V, 50/60 Hz

LCD alphanumeric backlight 2x16



Programme to personalize the audiometer according to the needs of the user

- 33623 SIBEL SOUND 400-A SCREENING AUDIOMETER - air conduction
- 33624 SIBEL SOUND 400-AOM DIAGNOSTIC AUDIOMETER - air + bone + masking
- 33626 SIBEL SOUND 400-SUPRA CLINICAL AUDIOMETER - air + bone + mask + supraliminal tests + W50 software

The SIBEL SOUND 400 is a two-channel digital audiometer based on DSP processing. This audiometer is designed for quick and easy audiometric exploration of hearing thresholds and screening tests, such as suprathreshold pure tone tests (FOWLER-ABLB, TONE DECAY, WEBER, LUSCHER, ...).

- **Air conduction** (TDH 39): 125 - 8,000 Hz or HF: 8,000 - 20,000 Hz with optional HDA 200
- **Levels:** AC (-10 to 120 dB HL) / BC (-10 to 70 dB HL) / speech (-10 to 100 dB HL) free field (-10 to 80 dB HL)
- **Masking levels** (manual or synchronized): NBN AC (-10 to 100 dB HL) NBN BC (-10 to 70 dB HL) white & speech (-10 to 100 dB SPL)
- **Tone:** continuous, pulse, antenate, amplitude modulation.
- **Level increases:** 5 (A-AOM), 1 or 5 (SUPRA)
- **Frequency precision:** ±1% / level precision ±2% db SPL
- **Automatic calculation of hearing loss and diagnosis** (COUNCIL, IMSS MEXICO, ELI, SAL, KLOCKHOFF, MOH, OTHERS ...)
- **Direct USB connection to PC to W50 audiometry software** for viewing, storage, transmission, analysis and introduction of audiometric tests in a Microsoft Windows® environment.

STANDARD FREQUENCY	FREQUENCIES AND LEVELS											
	125	250	500	750	1,000	1,500	2,000	3,000	4,000	6,000	8,000	Hz
MUSICAL FREQUENCY	131	262	523	-	1,047	-	2,093	-	4,186	-	8,372	Hz
Air conduction (THD 39)	80	100	120	120	120	120	120	120	120	110	110	dB HL
Bone conduction (B 71)	-	50	60	60	70	70	70	70	70	-	-	dB HL
Free field	-	70	80	80	80	80	80	80	80	80	-	dB HL
MASKING NOISE											90	dB HL
Narrow bandwidth AC	60	80	100	100	100	100	100	100	100	100	-	dB HL
Narrow bandwidth BC	-	50	60	60	70	70	70	70	70	-	-	dB SPL
White AC												dB SPL
Speech												dB SPL
LOGO-AUDIOMETRY												
Air conduction	100											dB SPL
Free field	80 dB at 1m from the patient											dB SPL
Minimum levels												
All options	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	-10	dB HL



### Communication system:

- Print directly to a USB printer or connect to W50 Microsoft Windows Audiometry Software.

- 33628 INTERCOM KIT (headphone + microphone)
- 33621 INSULATION DEVICE for air conduction phone
- 33629 AUDIOMETRY SOFTWARE W50

SIBEL SOUND 400 FEATURES			
	A	AOM	SUPRA
Audiometry type	4 screening	3diagnostic	2 clinical
Air conduction TDH 39	•	•	•
Bone conduction B71		•	•
Masking by white narrow band & speech noise		•	•
Sisi test			•
Supraliminal tests			•
Speechaudiometry + Intercom kit	optional	optional	•
Musical frequencies			•
Intercom data base	150 tests	1000 tests	1000 tests
USB connectivity	•	•	•
W50 audiometry software	optional	optional	•
User manual English, Italian (available on request French or Spanish)	•	•	•