Bell BASIC - PLUS
Diagnostic Audiometer

TECHNICAL SPECIFICATIONS

Description
Bell is a basic diagnostic audiometer, capable of performing fast and accurate air and bone conduction threshold examinations.

Classification
Basic: Type 4 pure tone audiometer (EN 60645-1)
Plus: Type 3 pure tone audiometer (EN 60645-1)

Available signals
Stimulus: pure tone, warble tone
Masking: NBN, WN

Signals specifications
Attenuator step: 5 dB
Presentation: Continuous, Pulsed (0.5, 1 and 2 Hz)
Warble: 5 Hz sin wave modulating signal

Available outputs and transducers
AC: TDH-39, HDA-280 headphones or ER-3A / ER-5A insert earphones
BC: B-71 bone vibrator (Plus only)
Insert masking earphone: IME-100 (Plus only)

Pure tone: frequencies and maximum levels (dB HL)

<table>
<thead>
<tr>
<th>Freq. (Hz)</th>
<th>AC TDH39</th>
<th>AC HDA280</th>
<th>AC ER-3A</th>
<th>AC ER-5A</th>
<th>BC</th>
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Patient – operator communication
Talk over: built-in or external (optional) microphone
Patient response trigger

Available tests
Pure tone audiometry
Auto threshold (modified Hughson-Westlake)

Internal database
Up to 100 patients both AC and BC thresholds

Calibration
Validity: 12 months
All the parameters set through the device software

Computer interface
Connection: USB (driverless)
Compatible software: Inventis Daisy with Maestro module, Noah with “Maestro for Noah” module

Display
Shows the complete audiogram during the test
Type: Graphical colour TFT LCD
Size: diagonal 4.3”, 95 mm x 54 mm
Resolution: 480 x 272

Power supply
Consumption: 9 Watts
Power supply: 6V, 2A cont., through an external medical grade 100-240 Vac 50/60 Hz power supply

Mechanics
Size (WxDxH): 32 x 32 x 9 cm / 12.6 x 12.6 x 3.5 in
Weight: 1.8 Kg / 4.0 lbs

Freight packing
Size (WxDxH): 47 x 40 x 35 cm / 18.5 x 15.8 x 13.8 in
Gross weight: 4.2 Kg / 9.3 lbs

Applicable standards
Pure tone audiometry: EN 60645-1, Type 3 (Plus) or 4 (Basic)
Electrical safety: EN 60601-1, Class II type BF
EMC: EN 60601-1-2
CE certificate
93/42/EEC classification: Class IIa
Classification rule (Annex IX, 93/42/EEC): 10
Notified body: TÜV SÜD Product Service GmbH (0123)
Number of CE certificate: G1 12 09 65346 006

Product codes
10143: Bell model Basic – Screening audiometer
10160: Bell model Basic – Screening audiometer - with Sennheiser HDA-280 headphones
10144: Bell model Plus – Diagnostic audiometer
10161: Bell model Plus – Diagnostic audiometer - with Sennheiser HDA-280 headphones

Included parts
- TDH-39 supra-aural headphones (HDA-280 in case of code 10160/1)
- B71 bone vibrator (Plus only)
- Patient response switch
- Plastic cover sheet
- Medical grade power supply
- USB connection cable
- User manual
- Utility CD

Optional accessories (with order code)
- 10166: ER-3A insert earphones
- 10172: ER-5A insert earphones
- 10177: IME-100 insert masking earphone
- 10179: Amplivox Audiocups noise excluding enclosures for TDH-39 headphones
- 10180: Cable set for sound booth
- 10182: Soft carrying case
- 10149: Daisy / Noah Maestro module