Piccolo Basic – Plus – Speech

PC & iPad CONTROLLED AUDIOMETER

inventis
Audiology & Balance

DESCRIPTION

Piccolo is an audiometer controllable either through any Windows computer or through an iPad.

Piccolo is available in three different models:
Basic: only PTA – AC
Plus: only PTA – AC / BC
Speech: PTA & Speech – AC / BC

When controlled through the computer using Inventis Maestro software, Piccolo is connected to it via USB.
To control it through the iPad via Bluetooth 4 connection, Piccolo needs to be purchased with the *Aero* option.

CLASSIFICATION

Basic: IEC 60645-1 / ANSI S3.6: Type 4
Plus: IEC 60645-1 / ANSI S3.6: Type 3
Speech: IEC 60645-1 / ANSI S3.6: Type 3B

AVAILABLE SIGNALS

Stimulus: pure tone, warble tone
Masking: NBN, WN, SN (Piccolo Speech only)
Only Piccolo Speech:
2 external inputs for speech audiometry
MIC input for live speech audiometry

SIGNALS SPECIFICATION

Attenuator step: 1 dB, 3 dB, 5 dB
Presentation: Continuous, Pulsed (0.5, 1 and 2 Hz)
Warble: 5 Hz sine wave modulating signal

AVAILABLE OUTPUTS AND TRANSDUCERS

AC: TDH-39 / DD45 / DD65 headphones, ER-3 / IP30 insert earphones
BC: B-71 bone vibrator (Piccolo Plus / Speech only)

AVAILABLE TESTS

- Pure Tone audiometry
- Automatic Pure Tone audiometry
- Speech audiometry (Piccolo Speech only)
- QuickSIN™ (optional for Piccolo Speech only)
- Master Hearing Aid (Piccolo Speech only)

PURE TONE: FREQUENCIES AND MAXIMUM LEVELS (dB HL)*

Freq. (Hz)	AC TDH-39 DD45	AC DD65	AC ER-3 IP30	AC ER-5**	BC
125	80	80	90	90	–
250	100	95	105	100	45
500	110	110	110	110	65
750	115	110	115	120	70
1.000	120	110	120	120	75
1.500	120	110	120	120	80
2.000	120	110	120	115	80
3.000	120	110	120	115	75
4.000	120	110	110	110	75
6.000	105	95	95	100	55
8.000	95	90	90	90	50

(*) Obtainable only if the audiometer is powered with the mains adapter

(**) ER-5 no more available for purchasing but supported

SPEECH AUDIOMETRY: MAXIMUM LEVELS (dB HL)*

AC TDH-39 DD45	AC DD65	AC ER-3 IP30	AC ER-5**	BC
100	90	100	100	55

(*) Only available for the Speech version.

(**) ER-5 no more available for purchasing but supported

PATIENT – OPERATOR COMMUNICATION

Talk over: external microphone included
Patient response trigger

CALIBRATION

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

COMPUTER INTERFACE

Connection: USB (driverless)
Compatible software: Inventis Maestro
Minimum requirements: refer to Maestro software specifications

INTERFACING WITH THE iPad

Through Bluetooth 4 connection (needs *Aero* option).
Requires iPad 3 or successive
Dedicated app freely downloadable from the Apple App Store

POWER SUPPLY

Maximum consumption: 8 Watts
Power supply: 6V, 1.67A cont., through an external medical grade 100-240 Vac 50/60 Hz power supply

MECHANICS

Size (WxDxH): 16 x 16 x 3 cm / 6.3 x 6.3 x 1.2 in
Weight: 300g / 10.6 oz

FREIGHT PACKING

Size (WxDxH): 40 x 30 x 18 cm / 15.8 x 11.8 x 7.1 in
Gross weight: 2.7 kg / 5.9 lbs

APPLICABLE STANDARDS

Calibration: ISO 389-1, ISO 389-2, ISO 389-3
Electrical safety: IEC 60601-1, Class I type B
EMC: IEC 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)

PRODUCT CODES

Code 10327 - Piccolo model Basic
Code 10328 - Piccolo model Basic Aero
Code 10329 - Piccolo model Plus
Code 10330 - Piccolo model Plus Aero
Code 10331 - Piccolo model Speech
Code 10332 - Piccolo model Speech Aero

INCLUDED PARTS

- DD45, TDH-39 or DD65 headphones
- B71 bone vibrator (Piccolo Plus / Speech only)
- Patient response switch
- Clip-on microphone for talk-over
- Medical grade power supply
- USB connection cable
- Jack 3.5mm connection cable (Piccolo Speech only)
- Carrying bag
- User manual
- Inventis Software Suite

OPTIONAL ACCESSORIES (with order code)

- 10833: ER-3C insert earphones
- 11748: IP30 insert earphones
- 10179: Amplivox Audiocups noise excluding enclosures for TDH-39 / DD45
- 10533: QuickSIN™ test license

Piccolo is developed by:

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