



BABYSCREEN TECHNICAL SPECIFICATIONS



GENERAL SPECIFICATIONS

Dimensions	90 x 110 x 36 mm
Weight	239 gr
Display	Color touch screen, 320 x 240 @ 65000 colors
Energy/comfort	Selection of backlighting level, display rotation
Memory	Internal memory > 2000 tests
Data Interfaces	USB, via the Echosoftware
Battery	Lithium-Ion Polymer 5000 mA/h
Capacity	5-6 hours of measurements
Environmental Conditions	Operation temperature 40°C max Relative humidity 40 < % < 93

MEASUREMENT SPECIFICATIONS

TEOAE

Stimuli: Alternating clicks (1 negative, 3 positives)
Stimulus rate: 80/second
Level: 84dB HL by default (40 to 95 dB HL)
Control: automated calibration, leak/clogged duct test
Results: Test pass/refer
Digital resolution: 16 bits @ 32KHz
Analysis bands: 1, 2, 3, 4 and 5 kHz (center frequencies)
Pass criteria: 2 out of 5 bands min 6 dB SNR or 3 out of 5 bands min 4 dB SNR. 75% of reproducibility.
Transducer: OAE probe

ABR

Stimuli: Alternating clicks / Chirps
Stimulus rate: 49/second
Characteristics: Chirps from 350Hz to 7KHz
Level: 40dB HL by default (0 to 95 dB HL)
Control: automatic impedance test, EEG activity
Results: Test pass/refer
Digital resolution: 16 bits @ 32KHz
Rejection level: starts at 10µV then auto adjusted
Neonatology: Gestational Calendar Approach
Transducer: Insert

ACCESSORIES SPECIFICATIONS

OAE PROBE

Dimensions: 10 x 20 mm
Weight: 30gr
Cable length: 1,5m

PREAMPLIFIER

Dimensions: 126 x 56 x 24 mm
Weight: 105gr
Gain: 90dB
EEG Filter: 0.5 Hz – 2.0 kHz
Sample Rate: 16 kHz

STANDARD COMPONENTS

Babyscreen central Unit

Transport bag
 USB key (software, user guide, quick start)
 Mini USB power supply and cable

TEOAE measurement

OAE Probe
 Replacement tips and cleaning wire (2pcs)
 OAE eartips tree 4mm (25pcs)

ABR measurement

Preamplifier ECHO-DIF
 Electrophysiological cable and clamp kit
 Acoustic tube kit
 Insert
 Surface electrodes (25pcs)

DIRECTIVE 93/42/CEE
 Medical device class IIa
 NF EN 60645



HEADQUARTERS
 35 Rue du Pré la Reine
 63 100 Clermont-Ferrand
 FRANCE

Email: contact@echodia.fr
 Tel: +33 4 73 91 20 84
 Website: www.echodia.fr