

Technical Data easyScreen BERAphone®

easyScreen

Dimensions / Weight	163 x 85 x 21 mm / 265 g
Display	4.3" color touch screen
Languages	English, Chinese, Dutch, French, German, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Turkish
Storage	max. 250 patients with 50 tests each
PC interface	micro USB
Battery	Rechargeable Li-ion

Cradle

Charging	Wireless (inductive charging)
Power supply	5 V DC (micro USB)
Dimensions / Weight	142 x 140 x 62 mm / 270 g

ABR

Stimuli	CE-Chirp®, Click
Stimulus rate	~90 /s
Test mode	monaural/ binaural
Level range	25 dB nHL to 45 dB nHL
Impedance test	Automatic pre-test
Test duration	10 s to 180 s
Artifact rejection level	100 µV

BERAphone®

One Channel	3 reusable stainless-steel electrodes
Transducer	Integrated dynamic speaker (8 Ω)
Controls	Button to start/pause test, LED's to indicate test ear, electrode impedance and test status
Dimensions / Weight	94 x 171 x 90 mm / 300 g
Gain	72 dB
CMR Ratio	>110 dB at 100 Hz

Insert Phones

Transducer	IP30 with eartips or EarCups™
Preamplifier	
One Channel	3 electrode cables (black, yellow and white)
Gain	72 dB
CMR Ratio	>110 dB at 100 Hz
Dimensions / Weight	85 x 50 x 25 mm / 85 g

TEOAE

Stimulus type	non-linear Click
Level range	60 dB peSPL to 83 dB peSPL
Analysis bands	1.4, 2, 2.8 and 4 kHz (center frequencies)
Pass criteria	Depends on protocol; Default: 3 out of 4 bands, min 4 dB SNR, min -5 dB SPL OAE level
Test duration	4 s to 60 s

DPOAE

Stimulus type	Pairs of pure tones
Level (L1/L2)	50 dB SPL to 65 dB SPL
Frequency Range	1.5 kHz to 6 kHz
F2/f1 ratio	1.22
Pass criteria	Depends on protocol; Default: 3 out of 4 bands, min 6 dB SNR, min -5 dB SPL OAE level
Test duration	4 s to 60 s

OAE-Sonde

Cable length	120 cm
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Normen

OAE	IEC 60645-6, Typ 2
ABR	IEC 60645-7, Typ 2
Safety	IEC 60601-1, Typ B und BF
EMC	IEC 60601-1-2
CE 0123	according to Medical Device Regulation (EU) 2017/745, Class IIa

Protocols can be only changed with HearSIM™ PC software. Specifications are subject to change without notice.