Phonak CROS

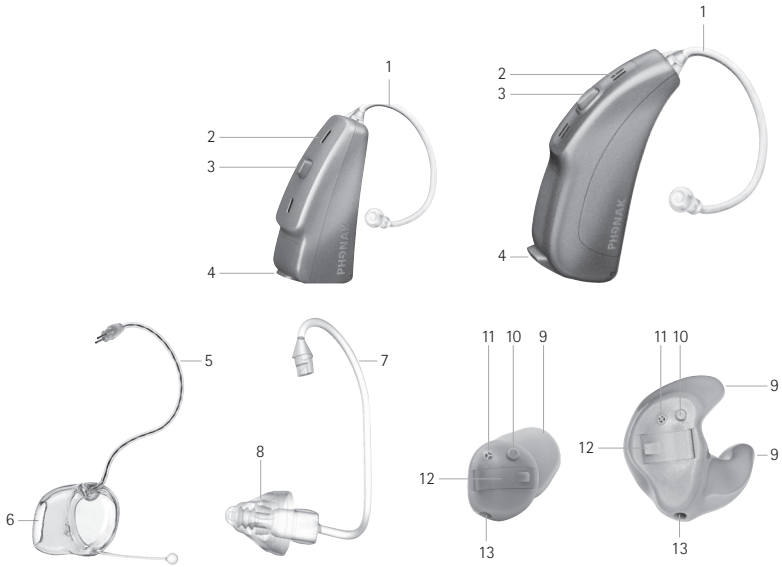
Technical Data

The Phonak CROS transmitter is available as a BTE or ITE (ITC, half shell or full shell), with battery size 312 or 13. (For fitting range, product details and available options, please see Product Information or visit www.phonakpro.com).

The Phonak CROS does not have an acoustical output. Therefore the standard measurements for hearing instruments are not applicable.

Description

1 Phonak CROS Retention
2 Microphone input with microphone protector
3 Push button
4 Battery compartment with ON/OFF switch
5 Phonak CROS Tip
6 Open vent
7 CROS SlimTube
8 Dome
9 Custom made shell
10 Push button
11 Microphone input (omnidirectional)
12 Battery compartment
13 Vent



Features

Wireless:	Binaural VoiceStream Technology™
Versatility:	CROS and BiCROS fittings for all wireless Phonak Quest and Spice+ hearing instruments
Cosmetically appealing:	Small BTE solution and discreet ITE solution
Control and safety:	Control and warning signals
Easy to fit:	Target™ 2.1 and higher

CE 0459

PHONAK life is on

Battery

	IEC	ANSI
Zinc air, size 312:	PR 41	7002 ZD
Zinc air, size 13:	PR 48	7000 ZD

Radio information

	BTE	ITE
Antenna type:	Internal ferrite coil	Internal ferrite coil
Operation frequency:	10.6 MHz	10.6 MHz
Occupied bandwidth (99% BW):	421 kHz	455 kHz
RF output power:		
Max output power:	7 dB µV/m @30 m (noise floor)	7 dB µV/m @30 m (noise floor)
Field strength:	-24.5 dB µA/m @10 m (noise floor)	-24.5 dB µA/m @10 m (noise floor)

Audio information

Device bandwidth:	130 Hz – 6000 Hz
Microphone:	
Phonak CROS/H2O	Real Ear Sound or omnidirectional
Phonak CROS 312/13	Omnidirectional

Standards applied

Europe	
EMC:	IEC EN60601-1-2:2007
Radio:	EN 300330 -1; -2:2006
EL. Safety:	IEC60601-1:2005 EN60601-1:2006
USA:	47 CFR Part 15.209
Canada:	RSS-210 Issue 7 Annex 1
Japan:	EWPE

Phonak CROS System (transmitter and hearing instrument)

Unless otherwise specified, all data obtained are measured with a default CROS setting (0 dB hearing loss) in a closed configuration with a coupling disc onto a HA-1 coupler (ANSI-S3.7-1995).

Measurements were taken with the following CROS systems: Phonak CROS with Audéo S SMART III and Phonak CROS H2O with Phonak Cassia M H2O.

Frequency response:	130 Hz – 6000 Hz
Application range (ear to ear distance):	12 cm to 18 cm, typical 16.5 cm (reference for measurements)
Signal-to-noise ratio (SNR): (measured with input 80 dB SPL at 1 kHz)	>45 dB
Equivalent noise: (measured at the output of the receiving device)	25 dB SPL
Total harmonic distortion (THD):	<5%