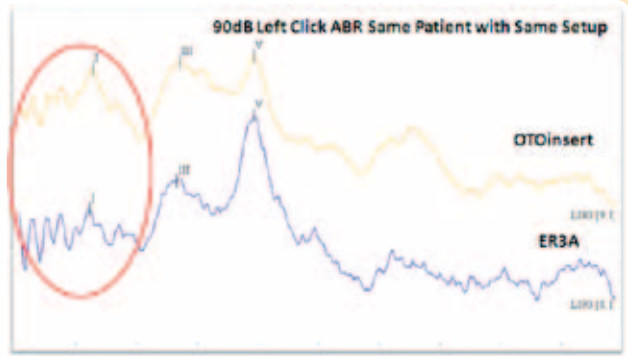




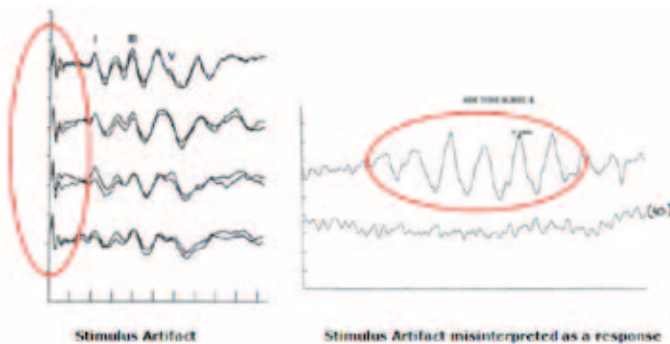
Comparison of ER3A to OTOinserts



OTOinserts for the ICS Chartr EP 200

The Otometrics "OTOinserts" for the ICS Chartr EP 200 deliver insert earphones with several enhancements to the ER3A while maintaining reliability.

Stimulus artifact is the stimulus seen at the beginning of the waveform or ringing that starts at the beginning of the waveform and can continue for several milliseconds. Stimulus artifact is usually most often seen at higher intensities. Stimulus artifact can obscure the response or worse be misinterpreted as a true response. Reduction of stimulus artifact gives a cleaner waveform and better interpretation of Wave I.



OTOinserts are shielded reducing the amount of stimulus artifact and ringing which improves the quality of the data, thus making identification of Wave I easier.

The new Otometrics Insert Earphones "OTOinserts" for the ICS Chartr EP 200 offer several benefits:

FDA approved and CE marked (CE 0459)

The eartips are the same for the OTOinserts and ER3As

OTOinserts are shielded reducing stimulus artifact

OTOinserts are Easily Serviced and Safe

Should the OTOinserts cable become damaged due to accidental misuse it can easily be replaced. The transducer cable screws into the transducer box making it safe and serviceable. A single transducer box cannot be serviced since they are a matched pair.

Otometrics Insert Earphones include:

- Set of OTOinserts (matched pair - left & right)
- 2 sets of red/blue tubing with white nipples
- 1 set of red/blue tubing with black impedance adaptor
- 1 set of clips
- Instructions
- 4 jumbo yellow foam tips
- 10 beige pediatric foam tips
- 30 yellow adult foam tips

Accessories & Part numbers:

OTOinserts*	8-75-81300
Adult foam 13mm eartips (50/pkg)	80A4820900
Pediatric foam 10mm eartips (50/pkg)	80A4821000
Jumbo foam 18mm eartips (24/pkg)	80A4821100
Infant silicone eartips (for use with impedance adapter) (50/pkg)	7590506
Solid Red/Blue silicone tubing and tips (4/pkg)	8-35-31310
Impedance tip adapters with tubing (2/pkg)	8-35-31330
Insert Earphone tube tips (10/pkg)	8-62-43600
Velcro clip (2/pkg) for Otometrics Insert	8-35-31300
OTOinsert Cable (1.2 meter)	8-71-87300

Specifications:

1 kHz Sensitivity:	103.5 dB SPL in HA-2 Coupler @ .49 Volt rms (300 ohm)
Limits:	1kHz +/- 3 dB
	250-4000 Hz +/- 3 dB (measured in HA-2 coupler)
Pair Matched to Within:	+/- 0.5 dB
Impedance:	300 Ohm
Distortion:	<2.5% measured @ 250,500, & 1000 Hz, 110 dB SPL
Safe Operating Limits:	Max continuous sine wave drive: 13.75 Volts rms (300 Ohm)
	Max peak voltage for 1% duty cycle: 55 Volts (300 Ohm)

*OTOinserts are available with the Chartr EP MCU-90 tower (8-75-81301).



Copenhagen-based Otometrics is the world's leading manufacturer of hearing and balance instrumentation and software, providing solutions ranging from infant screening applications and audiologic diagnostics, to balance testing and hearing instrument fitting.

● Hearing Assessment ● Fitting Systems ● Balance Assessment

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