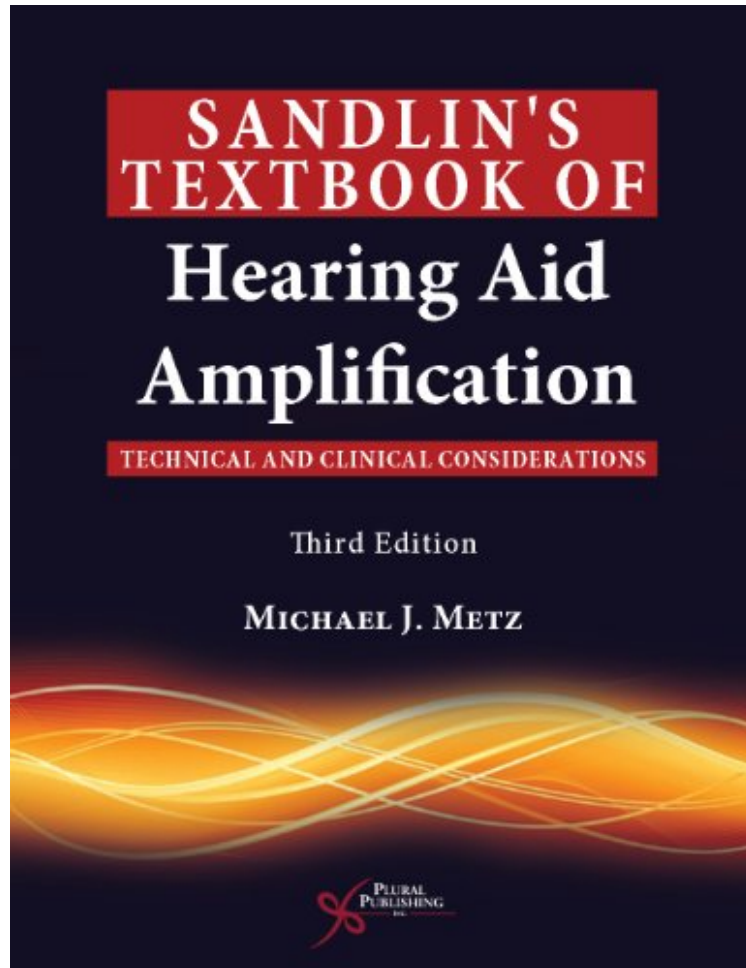


Sandlin's Textbook of Hearing Aid Amplification: Technical and Clinical Considerations

Michael J. Metz

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Michael J. Metz : Sandlin's Textbook of Hearing Aid Amplification: Technical and Clinical Considerations before purchasing it in order to gage whether or not it would be worth my time, and all praised Sandlin's Textbook of Hearing Aid Amplification: Technical and Clinical Considerations:

0 of 0 people found the following review helpful. Four StarsBy Nazanin FarzinPhone covers didn't last long started leaking0 of 0 people found the following review helpful. Nice product.By MBB5Arrived quickly. Nice product.

The comprehensive Sandlin's Textbook of Hearing Aid Amplification, now in its third edition, provides the hearing health professional with an overview of the technological advances related to hearing aid devices. The authors give particular emphasis to the most current advances in clinical assessment techniques and hearing instrument technology, and provide a detailed analysis of the application of digital signal processing. Clinical insights into the psychology of

hearing health are included to help professionals meet clients emotional as well as acoustic needs. This is a valuable text for academic and clinical professionals involved in the selection and fitting of hearing aid devices for the acoustically impaired. New to the third edition: Updated chapters on earmold and earshell acoustics; principles and applications of high-fidelity amplitude compression; and microphone technology Major revisions to chapters on digital signal processing; hearing aid selection, fitting, and verification; mathematical formulae for applying amplification; measures of validity and verification; and surgically-implanted hearing devices for unilateral hearing loss Discussion of distribution methods; considerations for treating children; elements of design and implementation of DSP circuits; the evolution from analog to digital hearing aids; and future consideration for the field This text is regularly used by clinicians at the graduate level of training in the 70 to 90 universities offering graduate degrees in audiology. Furthermore, practicing clinicians in countries all over the world have included this recognized text in their professional libraries.

The editor has assembled a superb set of authors representing industry, academia, and clinical practice. In the Introduction, the editor describes the revised organization, which partitions the 20 chapters into five major sections: (1) historical overview; (2) acoustics as it relates to speech, amplification, and coupling; (3) digital signal processing (DSP); (4) selection and fitting of hearing aids; and (5) expanded treatment of hearing-aid fitting, outcome measurement, and combining hearing aids with other devices. Common to each chapter is an initial outline and a summary section, and most chapters include review questions to facilitate integration and consolidation of the information presented. A number of the chapters have been updated substantially, including those on earmold/earshells, DSP, microphone technology, and pediatric amplification with new chapters on real-ear measures and unilateral hearing loss. In total, the material reflects recent advances in advanced signal processing, feedback management, microphone technology, and wireless communication. --David A. Eddings, Department of Communication Sciences and Disorders, University of South Florida, International Journal of Audiology Robert Sandlin, who died in 2012, was one of the greatest names in Audiology and, in an interview with Dr Michael Metz, the editor of this textbook, Dr Douglas Beck said 'Mike, you've done an absolutely wonderful thing...editing, updating, writing, and rewriting and publishing the third edition of Bob Sandlin's Textbook of Hearing Aid Amplification some two years after Bob passed!' This book is dedicated to Robert Sandlin s memory and his enormous contribution to audiology internationally. The first edition of Sandlin's classic textbook was published in 1988 and the second edition followed in 2000. The fact that it is now in a new, third edition is a testimony to its popularity. It is one of the most comprehensive books on hearing aids but, ...it covers not only technological advances related to hearing aids but the authors 'give particular emphasis to the most current advances in clinical assessment techniques...and provide a detailed analysis of the application of digital signal processing. Clinical insights into the psychology of hearing health are included to help professionals meet clients' emotional as well as acoustic needs.' This book has a total of twenty chapters contributed by more than forty internationally renowned experts covering subjects which can be grouped into five sections:- Section 1 Historical overview Section 2 Speech perception, amplification and custom earfittings Section 3 Digital signal processing Section 4 Selection and fitting of hearing aids Section 5 - Extended coverage of hearing aid fitting, outcome measurement and combining hearing aids with other devices Each chapter starts with an outline which summarises the subjects being covered and ends with ten review questions so that you can check and consolidate what you've learnt. --Barry Downes, Chair of the BSHAA Professional Development Committee, British Society of Hearing Aid Audiologists About the Author Michael J. Metz, PhD has been a practicing audiologist for more than 45 years, and has taught in several university settings. In partnership with Bob Sandlin, they provided continuing education for audiology and dispensing in California for more than two decades. Dr. Metz has owned and operated a private practice in Southern California for more than 30 years. He has been professionally active in areas such as electric response testing, hearing conservation, hearing aid dispensing, and legal/ethical issues. Dr. Metz continues to practice in a limited manner in Irvine, California.