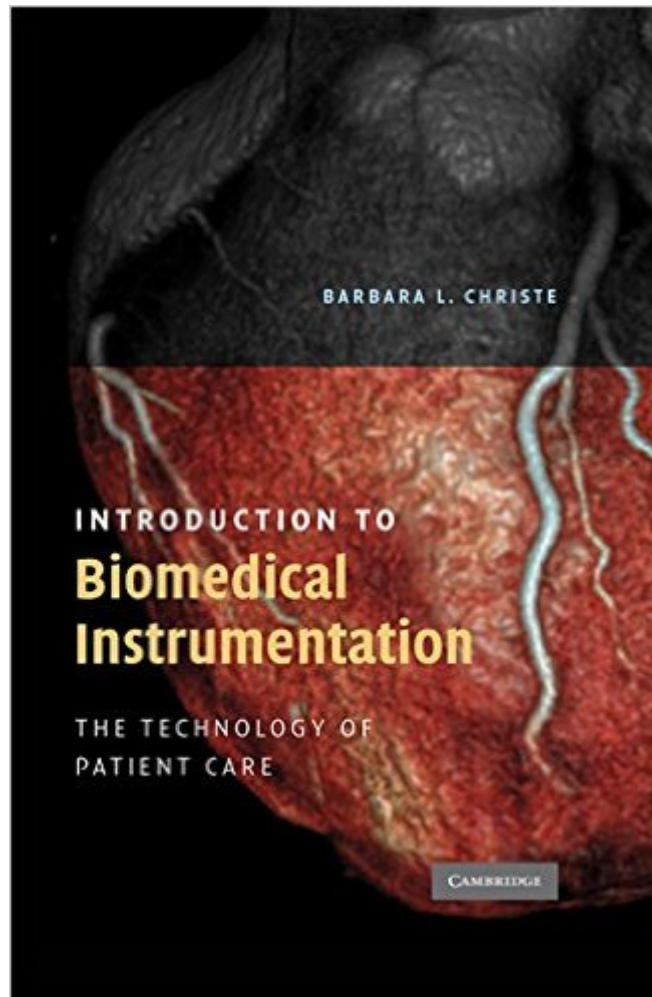


The book was found

# Introduction To Biomedical Instrumentation: The Technology Of Patient Care



## Synopsis

This book is designed to introduce the reader to the fundamental information necessary for work in the clinical setting, supporting the technology used in patient care. Beginning biomedical equipment technologists can use this book to obtain a working vocabulary and elementary knowledge of the industry. Content is presented through the inclusion of a wide variety of medical instrumentation, with an emphasis on generic devices and classifications; individual manufacturers are explained only when the market is dominated by a particular unit. This book is designed for the reader with a fundamental understanding of anatomy, physiology, and medical terminology appropriate for their role in the health care field and assumes the reader's understanding of electronic concepts, including voltage, current, resistance, impedance, analog and digital signals, and sensors. The material covered in this book will assist the reader in the development of his or her role as a knowledgeable and effective member of the patient care team.

## Book Information

Hardcover: 244 pages

Publisher: Cambridge University Press; 1 edition (April 6, 2009)

Language: English

ISBN-10: 0521515122

ISBN-13: 978-0521515122

Product Dimensions: 8.5 x 0.6 x 10 inches

Shipping Weight: 1 pounds (View shipping rates and policies)

Average Customer Review: 3.9 out of 5 stars Â Â See all reviews Â (9 customer reviews)

Best Sellers Rank: #568,654 in Books (See Top 100 in Books) #27 in Â Books > Medical Books > Medicine > Reference > Instruments & Supplies #149 in Â Books > Engineering & Transportation > Engineering > Bioengineering > Biomedical Engineering #153 in Â Books > Textbooks > Medicine & Health Sciences > Allied Health Services > Medical Technology

## Customer Reviews

I believe Introduction to Biomedical Instrumentation: The Technology of Patient Care is a basic book at the introductory level for Biomed Techs. If you are a new Tech you will get much out of this book. It is well written and easy to read and contains sufficient information to help you come to grips with the complexities of Medical Technology. I'm always looking for a respected source of information for my new staff - this book will find a role as a first handout to new staff in any Biomed Dept. You will need to be aware that it has much specific information on codes and standards and issues specific

to USA but it also has lots of information that will be useful to other countries (e.g. Australia). If you are a Graduate or Professional Engineer, you will need more detail and depth. I suggest Khandpur Biomedical Instrumentation: Technology and Applications or Carr and Brown Introduction to Biomedical Equipment Technology (4th Edition) as alternatives for undergrads or recent graduates. Good at what it is but limited to BMET newbies.

This book as the author states is intended for BMET students and entry level techs. It introduces the audience to the position of the BMET, the field, and the technology that is being used in each hospital setting without any complexity. I'm a rookie BMET, and I found this book to be an outstanding source to prepare me to excel in my job and enhance my knowledge.

I like how Barbara Christie introduce the reader into the biomedical equipment environment, the book is not that complex of others like Carr & Brown or Khandpur but for biomedical equipment technicians (BMET) it works. However for next editions I will recommended color images, more information in electrical safety test equipment, it also could have new chapters with introductory information on medical terminology, anatomy & physiology, electronics and information technology (IT) and last consider translations in other languages like Spanish.

This text would be great for someone who is trying to get an overview of biomedical technology, possibly in one sitting. A student or professional considering studying this field would do well to browse this book and get an idea of what they are getting into. Any further study of the various topics really requires more in-depth material.

This book is a great introduction to Biomedical Engineering. But it is just an introduction. Makes you want to learn more about the field, but I guess that is one of the duties of an introductory text.

[Download to continue reading...](#)

Introduction to Biomedical Instrumentation: The Technology of Patient Care Biomedical Ethics for Engineers: Ethics and Decision Making in Biomedical and Biosystem Engineering (Biomedical Engineering Series) Biomedical Instrumentation: Technology and Applications Surgical Instrumentation Flashcards Set 3: Microsurgery, Plastic Surgery, Urology and Endoscopy Instrumentation (Study on the Go!) Instrumentation for the Operating Room: A Photographic Manual, 6e (Instrumentation for the Operating Room ( Brooks-T)) Principles of Biomedical Instrumentation and Measurement Principles of Applied Biomedical Instrumentation Biomedical

Instrumentation And Measurements (2nd Edition) Patient Care Skills (7th Edition) (Patient Care Skills ( Minor)) Quantitative Biomedical Optics: Theory, Methods, and Applications (Cambridge Texts in Biomedical Engineering) Biomedical Engineering and Design Handbook, Volume 1: Volume I: Biomedical Engineering Fundamentals Medical Aspects of Proteases and Proteases Inhibitors (Biomedical and Health Research, Vol. 15) (Biomedical and Health Research, V. 15) Dopamine Receptor Sub-Types: From Basic Sciences to Clinical Applications (Biomedical and Health Research, Vol. 19) (Biomedical and Health Research, V. 19) Introduction to Biomedical Equipment Technology Orchids Care Bundle 3 in 1, THE NEW EDITION: Orchids + Orchids Care For Hobbyists + Phalaenopsis Orchids Care (Orchids Care, House Plants Care, Gardening Techniques Book 4) Cats: Cat Care: Kitten Care: How To Take Care Of And Train Your Cat Or Kitten (Complete Guide To Cat Care & Kitten Care With Pro Training Grooming & Nutrition Tips) Process Control Instrumentation Technology (8th Edition) Laser Technology in Biomimetics: Basics and Applications (Biological and Medical Physics, Biomedical Engineering) Dental Management of the Medically Compromised Patient - Pageburst on VitalSource (Little, Dental Management of the Medically Compromised Patient) The Sleeved Life: A Patient-to-Patient Guide on Vertical Sleeve Gastrectomy Weight Loss Surgery

[Dmca](#)