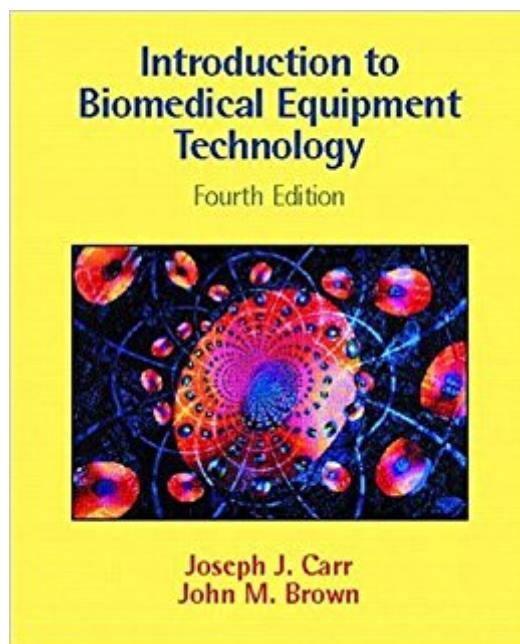


The book was found

Introduction To Biomedical Equipment Technology (4th Edition)



Synopsis

This industry standard on biomedical equipment is an important resource for providing a broad technological knowledge base, and deep coverage of critical points. It serves as a handy reference on unfamiliar topicsâ "organized so that users can easily look up topics of interest, study areas where they are weak or where they have not worked in some time. Chapter topics include an overview of the human body; an introduction to biomedical instrumentation and measurement; basic theories of measurement; signals and noise; electrodes, sensors, and transducers; bioelectric amplifiers; electrocardiograph equipment; respiratory therapy equipment; instrumentation for measuring brain parameters; care and feeding of battery operated equipment; computers in biomedical equipment; and quality assurance and continuous quality improvement. For working professionals in biomedical equipment, and for the engineers and technologists who design it.

Book Information

Hardcover: 743 pages

Publisher: Pearson; 4 edition (June 9, 2000)

Language: English

ISBN-10: 0130104922

ISBN-13: 978-0130104922

Product Dimensions: 7.6 x 1.7 x 9.2 inches

Shipping Weight: 3 pounds

Average Customer Review: 3.6 out of 5 stars 23 customer reviews

Best Sellers Rank: #397,126 in Books (See Top 100 in Books) #11 inÂ Books > Textbooks > Medicine & Health Sciences > Reference > Instruments & Supplies #14 inÂ Books > Medical Books > Medicine > Reference > Instruments & Supplies #51 inÂ Books > Textbooks > Medicine & Health Sciences > Medicine > Biotechnology

Customer Reviews

Since the publication of Carr and Brown's biomedical equipment text more than ten years ago, it has become the industry standard. Now, this completely revised second edition promises to set the pace for modern biomedical equipment technology. --This text refers to an out of print or unavailable edition of this title.

Introduction to Biomedical Equipment Technology is recognized as the premier book used to train biomedical equipment professionals, and serves as an excellent reference for these professionals in

the field. It is also a valuable reference work for engineers and technologists who design biomedical equipment. Significant changes to this edition are: A new chapter on quality Improvement is included. New sections on hemodialysis machines, the Y2K problem, and new computer devices in medicine are provided. Key features have been incorporated to address current issues and important technological advances.

Book talks about human anatomy very briefly in chapter 1. I recommended taking a Anatomy & Physiology class at your local college if you did not receive a biomedical engineering degree. Chapter 2 talks about the heart and circulatory system very well. Chapter 4 talks about measurements such as direct vs. indirect measurements, null measurements, and factors that affect measurements such as error, accuracy, precision. It also discusses measurement errors. Chapter 6 is a good chapter about transducers. Chapter 8 talks about electrocardiography and is pretty good. Chapter 9 talks about pressure, invasive blood pressure measurements, non invasive blood pressure measurements, cardiac output and thermodilution. It also discusses very well defibrillators, atrial vs. ventricular fibrillation. It also talks about pacemakers and the heart lung machine. Chapter 10 talks about human respiration and its measurements. Chapter 11 talks about respiratory therapy equipment. Chapter 12 talks about the nervous system. Chapter 16 talks about medical lab equipment and to me the chapter is outdated as far as the equipment they discuss. Chapter 17 talks about ultrasound and is not that great. Appendix D in the book does a good job at discussing electrical safety such as micro vs. macro shock, leakage current, isolation x-formers, line isolation monitors, and GFCI's. The chapters I didn't discuss chapters 3,5,7,13-15,18-27 were not very good or informative.

Don't buy this book. It's the wrong book. The picture is misleading. Check the ISBN number before purchasing. Takes a long time to get and it comes open in the plastic on purpose so that you can't return it. This is the 2nd time I've had this happen. I've had to order this book 3 times now!

I received this book in its plastic shrink wrap covering, thus ensuring that it was not used. Although this book is listed as the US hardcover edition, that does not necessarily mean that the book is what I would call a premium edition. Although, the binding is glossy hardcover; the pages inside are a non-glossy black and white, shades of grey, printing that does have a less than perfect copied appearance with a few flaws in the printing. So if you are expecting a full color illustration with glossy pages as in traditional text books, this is not. I guess why this book was selling for

about 1/2 the price new as other new books. As far as content, I used this book for a semester of college class. We studied most of the chapters. Although, I thought that the chapters were well organized; much material was old and dated, though still valid. Many changes in technology and procedures have occurred since then and I believe that the book needs a thorough updating. In conclusion, the text book did its job, and was a requirement of the class.

Fast Shipping and Great Price

My son needed this for school. He's been on the President's List a couple times - it must be good read.

The content is out of date but the book is required for the class I am taking. The fundamentals are all there. Book arrived well packed in new condition, no complaints.

Good the book

Thanks

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

Introduction to Biomedical Equipment Technology (4th Edition) Biomedical Ethics for Engineers: Ethics and Decision Making in Biomedical and Biosystem Engineering (Biomedical Engineering Series) Biomedical Engineering Principles Of The Bionic Man (Series on Bioengineering & Biomedical Engineering) (Bioengineering & Biomedical Engineering (Paperback)) Introduction to Biomedical Equipment Technology Biomedical Engineering: Bridging Medicine and Technology (Cambridge Texts in Biomedical Engineering) An Introduction to Modeling of Transport Processes: Applications to Biomedical Systems (Cambridge Texts in Biomedical Engineering) Biomedical Engineering Fundamentals (The Biomedical Engineering Handbook, Fourth Edition) (Volume 1) Principles of Biomedical Ethics (Principles of Biomedical Ethics (Beauchamp)) Foundations of Biomedical Ultrasound (Biomedical Engineering Series) Biomedical Engineering for Global Health (Cambridge Texts in Biomedical Engineering) Prostheses: Design, Types, and Complications (Biomedical Devices and Their Applications; Medical Devices and Equipment) Jane's Airport & Atc Equipment 1993-94 (Jane's Airport Equipment and Services) Jane's Airports Equipment & Services 2004-2005 (Jane's Airport Equipment and Services) Jane's Airports Equipment & Services 2005-06 (Jane's Airport Equipment and Services) Understanding Anesthesia Equipment (Dorsch,

Understanding Anesthesia Equipment) Healthcare and Biomedical Technology in the 21st Century: An Introduction for Non-Science Majors Introduction to Radiologic Technology, 7e (Gurley, Introduction to Radiologic Technology) Introduction to Radiologic Technology - E-Book (Gurley, Introduction to Radiologic Technology) Blockchain: Step By Step Guide To Understanding The Blockchain Revolution And The Technology Behind It (Information Technology, Blockchain For Beginners, Bitcoin, Blockchain Technology) Fintech: Simple and Easy Guide to Financial Technology(Fin Tech, Fintech Bitcoin, financial technology fintech, Fintech Innovation, Fintech Gold, ... technology, equity crowdfunding) (Volume 1)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)