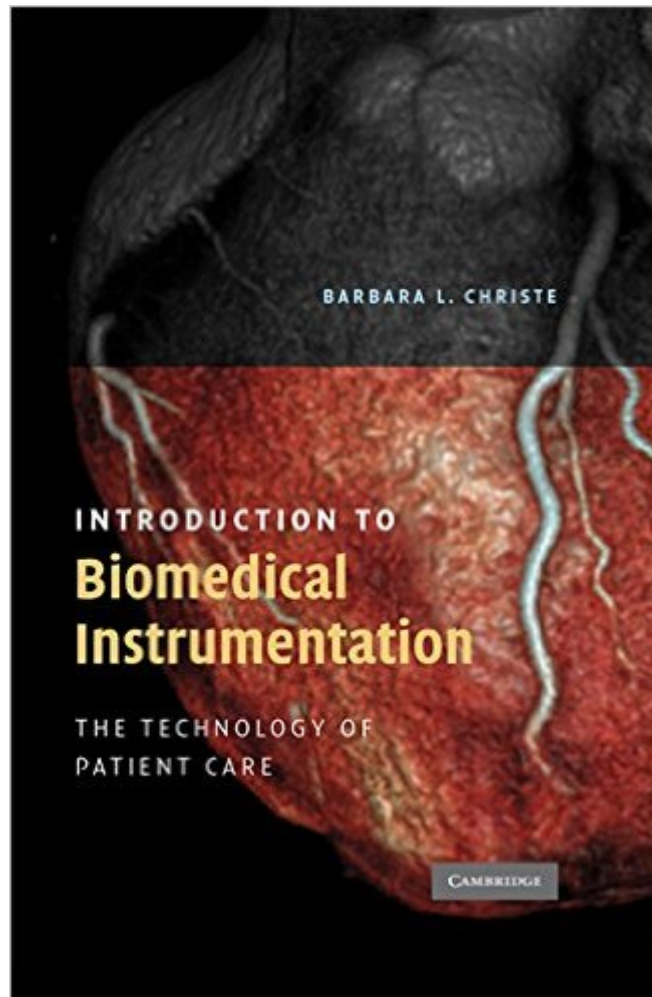


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# Introduction To Biomedical Instrumentation: The Technology Of Patient Care



## 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

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## 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.

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