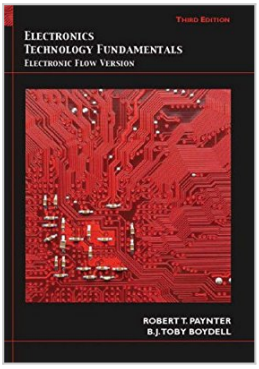

Electronics Technology Fundamentals: Electron Flow Version (3rd Edition)

By Robert T. Paynter, Toby Boydell

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Completely updated in a new edition, this unique book provides complete and concise coverage of the fundamentals of electronics without redundant examples and the equation derivations that take up so much space in traditional books. With an emphasis on component and circuit operation, analysis, applications, and testing, this book thoroughly explores the foundation of dc circuits, ac circuits, discrete electronic devices and op-amps in a narrative that readers can understand. Revamped with a new four-color illustration and photo design, the Second Edition offers updated chapter opening vignettes, new margin notes, and component testing and applications discussions. For professionals with a career in electronics or electrical engineering.

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Editorial Review

From the Back Cover
Completely updated in a new edition, this unique book provides complete and concise coverage of the fundamentals of electronics without redundant examples and the equation derivations that take up so much space in traditional books. With an emphasis on component and circuit operation, analysis, applications, and testing, this book thoroughly explores the foundation of dc circuits, ac circuits, discrete electronic devices and op-amps in a narrative that readers can understand. Revamped with a new four-color illustration and photo design, the Second Edition offers updated chapter opening vignettes, new margin notes, and component testing and applications discussions.For professionals with a career in electronics or electrical engineering.

The fundamentals of electronics (dc circuits, ac circuits, and devices) have traditionally been taught over the course of four semesters, trimesters, or quarters. With the constant development of new applications courses, however, many educators have expressed a need for a single text that presents these fundamentals in a more condensed format, allowing them to be covered in a shorter period of time. *Electronics Technology Fundamentals* was written to fulfill this need. The first 8 chapters cover do circuit fundamentals, the second 8 chapters cover ac circuit fundamentals, and the final 10 chapters cover discrete devices and circuits, op-amps, and op-amp circuits.

Those who have taught the fundamentals of circuits and devices may wonder how do circuits, ac circuits, and devices can be adequately introduced in a single volume. If you compare this text to the more "traditional" books, you'll see that we have included all the information your students need to continue with more advanced courses. At the same time, we have eliminated the equation derivations and redundant examples that take up so much space in traditional books. (Both, however, are available in supplements for those who wish to use them.) We also forego many sections on circuit applications and troubleshooting for several reasons: First, we discovered (through contact with a variety of instructors) that troubleshooting sections generally are reserved for assigned reading (to save precious class time). In addition, this book was designed to allow more time for future applications courses, so we felt that including the common applications for every principle was unnecessary. What remains is a text that is complete and concise.

Learning Aids

As always, our primary goal has been to produce an introductory book that students can really use in their studies. To this end, the most useful learning aids from Paynter's *Introductory Electric Circuits and Introductory Electronic Devices and Circuits* have been incorporated into this text:

- **Performance-based objectives** provide a handy overview of the chapter organization and a map to student learning.
- **Objective identifiers** in the margins cross-reference the objectives with the chapter material. This helps students to locate the material needed to fulfill a given objective.
- **Margin notes** highlight the differences between theory and practice and provide brief reminders of principles covered in earlier sections and chapters.
- **In-chapter practice problems** included in the examples provide students with an immediate opportunity

to apply the principles and procedures being demonstrated.
- **Summary illustrations** provide a convenient description of circuit operating principles and applications. Many also provide comparisons between related circuits.

The following have also been incorporated into Electronics Technology Fundamentals to help reinforce student learning:

Throughout this text, *objective identifiers* are included in the margins. For example, if you look on page 47, you'll see "Objective 4" printed in the margin. This identifier tells you that this is the point where you are taught the skill mentioned in Objective 4 at the opening page of the chapter (page 41). These identifiers can be used to help you with your studies. If you don't know how to perform the action called for in a specific objective, just flip through the chapter until you see the appropriate identifier. At that point, you'll find the information you need to successfully meet the objective. One Final NoteBeing an active learner involves a lot of work. However, the extra effort will pay off in the end. Your understanding of electronics will be better as a result of your efforts. We wish you the best of success. *Bob Paynter*

Toby Boydell Users Review**From reader reviews:**

Corrine Switzer:Do you considered one of people who can't read pleasant if the sentence chained from the straightway, hold on guys this particular aren't like that. This Electronics Technology Fundamentals: Electron Flow Version (3rd Edition) book is readable through you who hate the perfect word style. You will find the info here are arrange for enjoyable examining experience without leaving actually decrease the knowledge that want to give to you. The writer regarding Electronics Technology Fundamentals: Electron Flow Version (3rd Edition) content conveys the idea easily to understand by many individuals. The printed and e-book are not different in the content but it just different such as it. So , do you continue to thinking Electronics Technology Fundamentals: Electron Flow Version (3rd Edition) is not loveable to be your top collection reading book?

Melanie Pemberton:Playing with family inside a park, coming to see the marine world or hanging out with buddies is thing that usually you may have done when you have spare time, and then why you don't try thing that really opposite from that. One activity that make you not experiencing tired but still relaxing, trilling like on roller coaster you are ride on and with addition of knowledge. Even you love Electronics Technology Fundamentals: Electron Flow Version (3rd Edition), you may enjoy both. It is very good combination right, you still would like to miss it? What kind of hangout type is it? Oh come on its mind hangout guys. What? Still don't have it, oh come on its named reading friends.

Mildred Yen:In this period of time globalization it is important to someone to receive information. The information will make a professional understand the condition of the world. The condition of the world makes the information quicker to share. You can find a lot of sources to get information example: internet, newspaper, book, and soon. You can observe that now, a lot of publisher which print many kinds of book. Often the book that recommended to you is Electronics Technology Fundamentals: Electron Flow Version (3rd Edition) this reserve consist a lot of the information of the condition of this world now. That book was represented how does the world has grown up. The terminology styles that writer require to explain it is easy to understand. The actual writer made some study when he makes this book. That's why this book ideal all of you.

Debra Ruff:This Electronics Technology Fundamentals: Electron Flow Version (3rd Edition) is completely new way for you who has interest to look for some information since it relief your hunger of information. Getting deeper you into it getting knowledge more you know otherwise you who still having tiny amount of digest in reading this Electronics Technology Fundamentals: Electron Flow Version (3rd Edition) can be the light food for yourself because the information inside this kind of book is easy to get by simply anyone. These books create itself in the form and that is reachable by anyone, yeah I mean in the e-book contact form. People who think that in guide form make them feel sleepy even dizzy this e-book is the answer. So you cannot find any in reading a publication especially this one. You can find actually looking for. It should

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