

NEW EDITIONS OF SCHULTZ, GROB'S BASIC ELECTRONICS

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The McGraw-Hill Higher Education team has just completed the most extensive revision ever of Schultz, **Grob's Basic Electronics**, the textbook that defined the study of DC & AC circuits and introductory electronics for the Electronics Technology audience. For the first time, you now have a choice; **Grob's Basic Electronics** with or without electronic devices chapters. Both versions come with a bound-in CD ROM containing MultiSim files for optional simulation work.

The DC/AC version, without the electronic devices chapters, is called **Grob's Basic Electronics: Fundamentals of DC and AC Circuits**; the version which includes seven newly written electronic devices chapters is called **Grob's Basic Electronics, Tenth Edition**. The first 26 chapters of each version are identical in terms of content. What's new in both versions is the opening chapter entitled **Introduction to Powers of 10**, which introduces students to scientific and engineering notation, and metric prefixes. Also, the chapters involving meters, batteries and electromagnetism have been significantly revised. Every chapter has a newly written multiple-choice self-test, and all end-of-chapter problems are now organized by chapter section for easier reference. Most of all, you'll be amazed to see how well **MultiSim** is integrated throughout the book. Optional MultiSim activities are provided for an abundance of examples, figures and problems. To support the increased use of **MultiSim** throughout the text, a new 30-page appendix entitled **Introduction to MultiSim** has been added to the book. This appendix provides hair-splitting detail of how the simulation software can be used to make circuit measurements.

Having taught electronics at the college level for the past 25 years, I know first-hand what students need to know to succeed in the field. In both versions of **Grob's Basic Electronics** you'll find unparalleled coverage of what a technician really needs to know. Besides the standard coverage of circuit theory, there is extensive coverage of component coding systems, component testing, component ratings and of course, troubleshooting. Troubleshooting challenge exercises appear at the end of several chapters. This troubleshooting exercise provides students with valuable troubleshooting practice. In **Grob's Basic Electronics, Tenth Edition**, the seven new chapters on electronic devices are: *Diodes and Diode Applications, Bipolar Junction Transistors, Transistor Amplifiers, Field Effect Transistors, Power Amplifiers, Thyristors and Operational Amplifiers*. These are not simply revised chapters from the previous edition(s); they have been completely rewritten!

Both versions of the textbook are supported by ancillaries that provide students and instructors with a complete teaching & learning package. For students there is a separate **Experiments Manual** (by Frank Pugh & Wes Ponick) for each version of the textbook, with a bound-in CD ROM containing MultiSim files; as with the textbooks, the two **Experiments Manuals** offer the option of using computer simulation in conjunction with hands-on lab work. The 400-page **Problems Manual** (by Mitchel Schultz) is a workbook for students which provide thousands of additional problems for review and practice. The **Instructor's Solutions Manual with Instructor's Productivity Center CD ROM** contains solutions to all text and Experiments Manual questions and problems, in both print and electronic form, plus a detailed, comprehensive PowerPoint resource, and EZ Test electronic test banks. There is also an **Online**

Learning Center (“OLC”) website, providing additional resource materials for both students and instructors. Instructors will find our full PowerPoint presentation for every chapter on the OLC, 25 additional short-answer questions per chapter, and other teaching & learning features.

All and all, this revision of **Grob’s Basic Electronics** provides both students and instructors with more resources than ever before. Its up-to-date and practical approach provides the foundation students need to successfully start their study of electronics.

To order a complimentary copy of Grob’s Basic Electronics, 10/e,

<http://catalogs.mhhe.com/mhhe/viewProductDetails.do?isbn=0073222763>

To order a complimentary copy of the Experiments Manual for Grob’s Basic Electronics, 10/e,

<http://catalogs.mhhe.com/mhhe/viewProductDetails.do?isbn=0072988231>

To order a complimentary copy of Grob’s Basic Electronics: Fundamentals of DC and AC Circuits, 1/e, <http://catalogs.mhhe.com/mhhe/viewProductDetails.do?isbn=0073250368>

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