



# The Art of Electronics

*Paul Horowitz , Winfield Hill*

[Download now](#)

[Read Online](#) 

# The Art of Electronics

*Paul Horowitz , Winfield Hill*

## **The Art of Electronics** Paul Horowitz , Winfield Hill

At long last, here is the thoroughly revised and updated third edition of the hugely successful The Art of Electronics. It is widely accepted as the best single authoritative book on electronic circuit design. In addition to new or enhanced coverage of many topics, the third edition includes 90 oscilloscope screenshots illustrating the behavior of working circuits, dozens of graphs giving highly useful measured data of the sort that is often buried or omitted in datasheets but which you need when designing circuits, and 80 tables (listing some 1650 active components), enabling intelligent choice of circuit components by listing essential characteristics (both specified and measured) of available parts. The new Art of Electronics retains the feeling of informality and easy access that helped make the earlier editions so successful and popular. It is an indispensable reference and the gold standard for anyone, student or researcher, professional or amateur, who works with electronic circuits.

## **The Art of Electronics Details**

Date : Published June 30th 2010 by Cambridge University Press (first published 1980)

ISBN : 9780521809269

Author : Paul Horowitz , Winfield Hill

Format : Hardcover 1220 pages

Genre : Reference, Science, Engineering, Physics, Textbooks, Electrical Engineering, Nonfiction

 [Download The Art of Electronics ...pdf](#)

 [Read Online The Art of Electronics ...pdf](#)

**Download and Read Free Online The Art of Electronics Paul Horowitz , Winfield Hill**

---

## **From Reader Review The Art of Electronics for online ebook**

### **Robert Hume says**

This book favors an intuitive understanding over the endless math found in electrical engineering textbooks. It is the perfect "what they don't teach in school" electronics book. I highly recommend it for any electrical engineering student or graduate for the transistor chapters alone. I gave it 4 stars instead of 5 because it is dated. However, for those interested in 1960s-1980s vintage analog synthesizers, this turns out to be a plus.

---

### **Garnethoyes says**

Probably the best Electronics book ever written. Very readable, practical, and understandable even for those without good background. Makes the subject fun !

A new edition is in the works so I'm told.

---

### **Shivam says**

this book makes anyone fell in love with electronics. Shows actual practical applications of electronics. A classic and must read for any enthusiast.

---

### **Kevin Nuckolls says**

This text is great as a reference for all problems in basic semiconductor circuitry.

---

### **Juan Ríos says**

Known as the bible of Electronics, it is the must have knowledge source to master the exciting world of electronics and devices.

---

### **Nick Black says**

this is a minor cult classic among EE's and CmpE's, or at least was at GT. i saw it on someone's desk today at NVIDIA, was reminded that i'd intended to look into it, and needed only a few pages to convince me of a winner. looks fantastic!

---

## ???? ????? says

The godfather of all electronics books , love it

---

## Hollowman says

Last update to this classic was in 1989. Still quite useful (=timeless) and my fave electronics reference. This book is actually FUN to read.

Looking forward to the much-anticipated forthcoming 3rd edition:

[http://en.wikipedia.org/wiki/The\\_Art\\_...](http://en.wikipedia.org/wiki/The_Art_...)

---

## Quang-Nguyen Vo-Huynh says

This book, true to its name, is all about Electronics. **The Art of Electronics** covers all the necessary topics such as electrical foundations (**Ohm's and Kirchoff's Laws; Thevenin's and Norton's models, Complex Analysis of Circuits**), both analog and digital technology (**Operational Amplifiers; Analog-to-Digital Converters** and vice versa; **Microprocessors; Logic Circuits**; etc. ), and other interesting fields of electrical engineering such as **Power Electronics, EMC** (only concerning about Low Noise Practice), **Measuring and Precision Technology** to name a few.

These above topics are typically stretching in many others contemporary textbooks, yet the author surprisingly managed to condense all the things required to know in only around 1200 pages -the common length for technology-related textbooks. Because of this, I believe it is one of the best books, if not the best, in introductory levels about Electronics not only for those working in the fields of Electrical/Electronics Engineering (EE) but also for those who want to pursue electronics-related hobbies.

If anyone asked me what should be the first book he or she read before starting his or her degree in EE; I would wholeheartedly recommend this book.

---

## Jonatron says

I haven't *read* this, technically; it's a large book I use for reference. But it's very well-written and explains things in an intuitive way that I never really learned in college. Much better than the typical textbook.

---

## Jake says

I've been regularly reading this book for two years now as a reference. Both the textbook and the laboratory manual that comes with it. What I would say is that: This book does a poor job at explaining individual topics but that's fine. The breadth of material needed to talk about electronics is tremendous. It does a better job than anything I've seen in any medium of telling me enough about a topic to allow me to then look up

more elsewhere. It's ability to serve as a conduit to which I find information is indispensable. If this is the only thing you plan on reading you probably won't learn much about electronics. If you use this as the vessel for which you explore electronics I have no doubt you'll learn a lot.

---

### **Ayush Bhat says**

Read this book and you will not need anything else on the same subject.

---

### **Ed says**

This is kind of a no brainer, but I thought I should mention it. My only regret about this book is that I didn't get it years ago. I still don't own a copy, mind you, but I have finally figured out how to use the inter-university-library-loan system to borrow it more or less permanently. But that's not really the review.

ANYWAY, everything you ever wanted to know about electronic circuits is touched upon in here. Whether it is dealt with in sufficient detail, or whether the author will actually be helpful, that may be different, but there is some commentary on nearly anything. Kind of like the Mishnah of analog electronics, if you will. If you are an undergraduate starting an Electronic or Electrical engineering program, shell out the \$90-odd now and use this as a supplement and/or reference. You won't regret it.

If you are a non-technical person trying to learn from scratch, this will be a tough textbook, but it is do-able with a little dedication. There are example problems with solutions, but they are not always worked out in detail. You might be better off starting with something simpler (and cheaper) and working up to this.

On the other hand, there is something to be said for swinging for the fences, and if you get through this, you will have a pretty good start on the basics.

---

### **Sanchayan Maity says**

I have just started reading this. Currently reading the third chapter. I wish i would have come across and read this book in my college days. It makes one aware of how to do design, for example, a common emitter amplifier, as if it's a piece of cake. This book seems to be damn good on its own. Use it along with a good book which covers the analysis of circuits and it should cover most of the needs of any practicing engineer.

---

### **Tor Paulin says**

Great book for anyone dealing with electronics. Even bad circuit ideas are included for reference ;-).

---