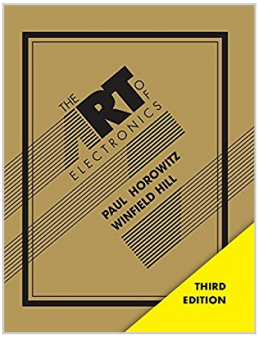

The Art of Electronics

By Paul Horowitz, Winfield Hill

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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.

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Editorial Review

Review
"Who among us has not kept a cherished copy of AoE on our workbench throughout our careers? Engineers, hackers and makers of all stripes, rejoice for the third edition ... has been worth the wait! Packed with tons of delicious knowledge to navigate electronics in both work and hobby. An encyclopedia of electronics knowledge, [The Art of Electronics] is a pleasure to read through for tips and tricks and is an unbeatable resource! Take a day out to read a chapter - you will learn things you didn't even know you didn't know. Or, refer to the pinouts, diagrams, and techniques as necessary to guide you through a difficult project. If you think electrical engineering is magical then you must pick up this tome!"
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"First of all, after I forklifted [Chapter 5] onto my reading table, I sat down and read it. It is simply spectacular. That may be overly exclamatory language but it is the only appropriate verbiage I can summon. Spectacular, deep and wide. I especially like the comments about interpreting specifications and the deconstruction of the Agilent voltmeters is just, well, wonderful."
Jim Williams, Linear Technology Corp

"Wow. Chapter 5 details every circuit artifact that I've encountered in the past thirty years in a through, pragmatic, and straightforward way. My only 'twinge' is that [it] disclosed and explained (in glorious graphical detail and with real part numbers) many topics that I thought were my personal trade secrets ... I love the plots. I know that it must take an enormous effort to collate all of the device characteristics. It's worth the effort. The way ... [it] present[s] the data allows the reader to get terrific perspective on a lot of landscape in a single view. Nice work."
John Willison, founder, Stanford Research Systems

"Horowitz and Hill's third edition beautifully upgrades their earlier work, with substantial updates to detail, and without compromise to style, content, or technical quality. Like the second edition I've used for years, it is laser-focused on the working engineer. Delivered in folksy Horowitz and Hill style, it is rich with the kind of nitty-gritty information that's invaluable to circuit designers and manufacturers, much of which is absent (or difficult to find) elsewhere. This new book is a superb update, one which I'm sure will be treasured by those close to the art of analog circuitry."
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"This epic work was created by two of the best experts in the field (with many others providing information). It defines the current state of the art in electronics ... Most parts of the book will continue to be relevant for several decades. The 1124 pages (even more densely packed with highly accurate information than the pages of the second edition) will delight everyone who already knows about electronics ... It is almost certain that you will like the third edition even more than the second ... The information that is now available in the book is absolutely fantastic, both the quality and the quantity, and you should get [it] as soon as you can ..."
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"If you are looking for a handy and very practical electronics reference book, this is a good one. I think you will enjoy it. Thanks to Horowitz and Hill for updating this classic."
Lou Frenzel, Electronic Design (electronicdesign.com)

"If you are a hobbyist or maker who wants to acquire or improve a well-rounded knowledge of electronics

then The Art of Electronics is an ideal book for you. It starts from the very basics of voltage, current and resistance without getting heavily dependent on physics theory or mathematics, and proceeds to cover a huge variety of interesting topics. For electronic engineering students, [this book] ... will help you develop the intuitive understanding, which will make it easier to put the maths in context, and it will be invaluable when you do practical work for design projects. The Art of Electronics brilliantly conveys its authors' enthusiasm and experience of practical engineering and is an inspiring read. Many people have described the earlier editions as the best book on electronics, so [this third edition] had a lot to live up to; fortunately, it does not disappoint. It deserves its gold cover."
Ian Bell, Everyday Practical Economics

About the Author
Paul Horowitz is Professor of Physics at Harvard University, where he originated the Laboratory Electronics course in 1974, from which emerged The Art of Electronics. He was one of the pioneers of the search for intelligent life beyond the Earth, and one of the leaders behind SETI. Other research interests include observational astrophysics, x-ray and particle microscopy, and optical interferometry. He is the author of some 200 scientific articles and reports, has consulted widely for industry and government, and is the designer of numerous electronic and photographic instruments.

Winfield Hill has held positions at numerous organisations, including Harvard University's Electronic Design Center and Sea Data Corporation. Currently he is the Director of Electronics Engineering at the Rowland Institute for Science where he has designed some 250 electronic instruments. Recent interests include high-voltage RF (to 15kV) and precision high-current electronics (to 6000A).

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