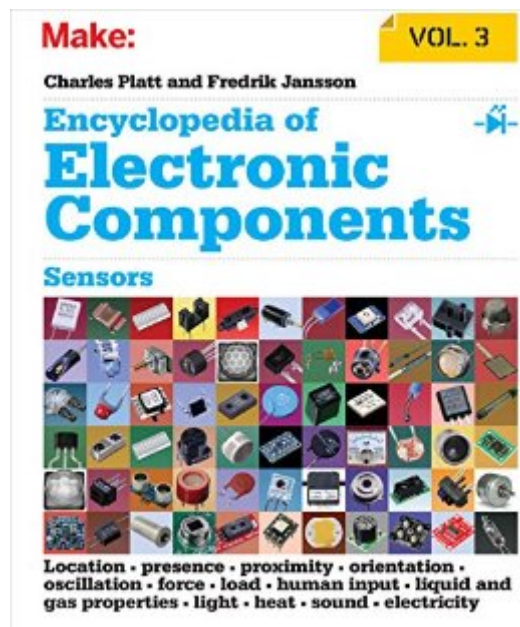


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Encyclopedia Of Electronic Components Volume 3: Sensors For Location, Presence, Proximity, Orientation, Oscillation, Force, Load, Human Input, Liquid And ... Light, Heat, Sound, And Electricity



Synopsis

Want to know how to use an electronic component? This third book of a three-volume set includes key information on electronics parts for your projects--complete with photographs, schematics, and diagrams. You'll learn what each one does, how it works, why it's useful, and what variants exist. No matter how much you know about electronics, you'll find fascinating details you've never come across before. Perfect for teachers, hobbyists, engineers, and students of all ages, this reference puts reliable, fact-checked information right at your fingertips--whether you're refreshing your memory or exploring a component for the first time. Beginners will quickly grasp important concepts, and more experienced users will find the specific details their projects require. Volume 3 covers components for sensing the physical world, including light, sound, heat, motion, ambient, and electrical sensors. Unique: the first and only encyclopedia set on electronic components, distilled into three separate volumes Incredibly detailed: includes information distilled from hundreds of sources Easy to browse: parts are clearly organized by component type Authoritative: fact-checked by expert advisors to ensure that the information is both current and accurate Reliable: a more consistent source of information than online sources, product datasheets, and manufacturer's tutorials Instructive: each component description provides details about substitutions, common problems, and workarounds Comprehensive: Volume 1 covers power, electromagnetism, and discrete semi-conductors; Volume 2 includes integrated circuits, and light and sound sources; Volume 3 covers a range of sensing devices.

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Customer Reviews

If you are a beginner, a hobbyist, or just someone who is interested in learning about different electronic components, you will absolutely enjoy this series. In these very inexpensive volumes, you will find that they provide the most essential, and up to date information, as to what a particular component is, how it is used, and what to expect from it. Most importantly, these books are extremely easy to use and to understand. Are you tired of having to go to a computer or portable device each time you want to look up a component? I find it much easier to just thumb through the index for what I'm looking for, than to have to perform a search online for each component every time. I am confident that you will be amazed as to just how much useful information that there actually is for each component in these "encyclopedias." This particular volume is number 3, and hopefully it is just another addition to many more to come. You don't need feel as though you have to buy all three of the volumes at once, or ever, but I'm a firm believer, that if you need something from one volume, I guarantee that you'll definitely need something from any of the others as well. I purchased volumes 1 & 2 at the same time, I just wish that volume 3 would had been available at the same time too; but I can appreciate that there is always new information being added. I highly recommend this series of encyclopedias to anyone who is interested in the world of electronics technology!

I heartily recommend not just this book, but the entire three volume series on components that this book completes. As an electronics engineer, I'm in a position to judge the quality of these books and I've been blown away by how good they are ever since the first one came out. However, these books are not just for engineers but for everyone with an interest in electronics. This one describes the principals behind the sensors, but is unable to get into great detail as it covers such a range of components it would require a series of manuals to do that. But it exposes the reader to what's out there, how they work, how one uses them, what can go wrong and what one should watch out for. Fantastic book.

This is a must have for Makers who make electrical and electronic projects. Well researched and well presented. Excellent pictures and schematics give the reader an excellent understand of what each sensor does, considerations of which model of sensor to use plus advantages and disadvantages of each. Highly recommended addition to Volumes 1 and 2.

Content was great but the kindle version was missing a table of contents. I had to resort to using the index. The table of contents is a big deal because this is quick reference guide. This volume is similar in layout as the previous two volumes.

You can't pack everything someone might need into a single book. But Vol. 3 in this series does a good job of introducing a wide range of sensors, explaining how they work, describing some applications, and likewise making readers aware of some variants of particular sensors. From there, you can do more specific research, as needed. Whether you are a Maker dedicated to electronics projects, a budding electronics experimenter, or a ham-radio hobbyist who also likes to build things, this book can provide useful information. It is well written and well illustrated with photographs, drawings, graphs and other illustrations. (My thanks to MakerMedia and O'Reilly for providing a review copy.)

Volume 3 feels washed out. Each section is a general description of of a particular sensor type. If you are looking for usage, operational or installation tech, it is not in this book. I really have enjoyed Charles Platt books since he started writing books and magazine columns but this one is a little flat as volume 3 in the series. My observation and disappointment. I hope for better regarding his future books.

The whole series is great and this is no exception

Outstanding descriptions of the current zoo of sensors, perfect for getting an introduction to the new generation of tiny sensors. A perfect follow-on to his first two wonderful volumes.

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