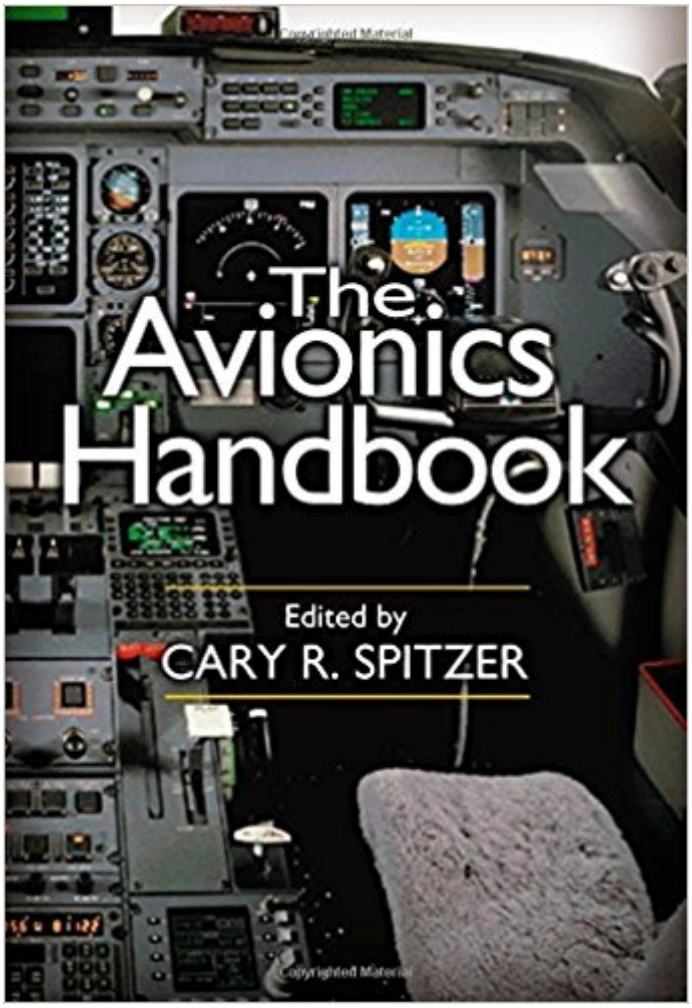
The Avionics Handbook (Electrical Engineering Handbook)



Synopsis

Avionics provide crews and passengers with an array of capabilities. Cockpit crews can operate with fewer pilots, greater efficiency, and immediate critical information. Passengers can enjoy the ultimate in inflight entertainment: live television and audio broadcasts and access to the Internet and e-mail.Since avionics are the among most expensive items on an aircraft, designers are continually challenged to produce cost-effective, highly reliable hardware. Whether you are a working engineer or a manager, you need a source you can refer to for the latest information on any aspect of avionics.The Avionics Handbook presents complete coverage of the field, from the building blocks of a typical system through the process used in designing, building, and testing modern military and civil aircraft avionics systems. It includes examples from emerging technologies, such as pilot-aircraft speech interaction and synthetic vision. With contributions from top practitioners in the field, this volume presents a complete overview of avionics to give you the knowledge you need to approach any problem.

Book Information

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Customer Reviews

This book provides an excellant source of information for the ’principles of operation’ of modern avionics systems. Its the first of such texts that I have seen that takes the mystery out of the ’glass’ environment. I highly recommend it for pilots trying to gain a better understanding of what is really going on behind the Cathode Ray Tubes and Flight Management Systems. I know of few other texts that provide such well organized information in such a concise collection of subject chapters.

I was disappointed with this book almost immediately. Having paid $ for this text, I was expecting to see some high quality work. the first thing I noticed was that instead of being a well considered text that takes the reader logically from one topic to the next (as you might expect from a "Handbook"), its really just a collection of scientific papers written by various authors in the aerospace community over time and then bound together by the "author". Second, the graphics are not only not in color, they are often low resolution.My advice: keep shopping.

It is a good avionics reference book I ever read for who are interested in exploring the basic knowledge of avaition communication and aircraft electrical systems.