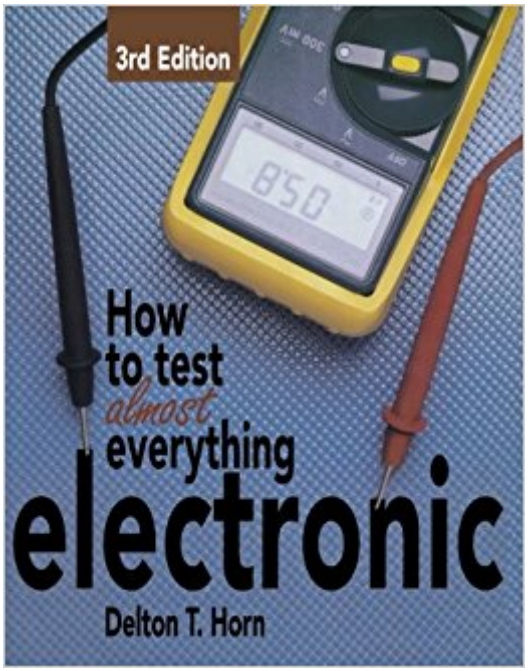
How To Test Almost Everything Electronic



Synopsis

Staying away from hard-to-understand theory and mathematics, this practical handbook show you how common devices such as multimeters, frequency and logic probes, signal traces, and oscilloscopes are used. You'll pinpoint problems in everything from TV sets and computers to automotive electrical systems. A practical, hands-on guide to troubleshooting with electronic test equipment - revised to include current testing techniques and new chapters on mechanical repairs and flowcharting.

Book Information

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Customer Reviews

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There is useful information in this book, but there are also too many areas that could be confusing or misleading to a beginner.In one section, the author refers to using a fresh battery as a [somewhat] standard voltage source. It is true that this is commonly done and can be useful, but it is written that a fresh battery such as an AA cell should put out a certain voltage, and the next chapter gives a different voltage to use for the same cell reference. He should have specified that one is probably for a carbon zinc cell, and the other is likely for Alkaline.There are some illustrations that do not match up with the text, and are apparently intended for a different chapter, but are printed out of place. The proof reader(s) should have caught that.There is reference to finding wattage

consumed by a device by measuring the voltage and the current and mulitplying those together to get the wattage--but it is unclear that this only works for a resistive load.The part that really caught my eye was the opening paragraph in the chapter on circuit testing using an oscilloscope.The author states that the typical service grade oscilloscope cannot be used to measure voltage of a circuit directly, and a the voltage of a signal on the oscilloscope screen can only be determined by comparing it to a known signal voltage from a "calibrator." I had to read this twice to make sure I was understanding what was intended by this statement. Apparently, the author was thinking of the very earliest "oscillographs" from the 1930's or 1940's, which had no means of setting internal calibration of the vertical amplifier, nor a divided graticul reference on the screen. This is the only thing I can think of that might have been meant by this paragraph. A "service grade" oscilloscope is, in reality, used for measuring voltage and frequency directly as well as just "looking" at the signal waveform on the screen...at least any typical 'scope made in the last 60-70 years.There is reference to digital multimeters (DMMs) having a typical input [DC] impedance of 1M ohm per volt, as if they were the same as an analog VOM in circuit structure. I personally have never seen a DMM that had this impedance characteristic that was variable with voltage setting. Typically, they are 10M ohm DC input imedance no matter what voltage setting they are on. All meters vary in design and impedance, but I believe the book's statement to be atypical and fundamentally incorrect or--at least--outdated.My opinions.

I like the book. I only had a small chance to read it, but what I have read so far is good. I think the author could express his thoughts in a more clear way but it is comprehensive to me. I would recommend this book because it helps rounds out the 'How To Test' that I lack in my electronic book collection. This is a book on the test equipment and how to use that equipment in many types of testing. I lack giving it five stars because to knock my socks off it needed to be a old electronic book from the 40's - 50's.

i received the product in good condition. thank you.

Perfect for my use

This is a very good book . There were some parts that was over my head BUT i am learning so it will come in handy in a few weeks. The writer does a good job telling you what to do and not to do .well worth the price.

Good book

It is ok for someone who knows a lot about electronics to start with but it is not for a beginner.

Good read. Easy to understand. Price is right. Recommended.

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