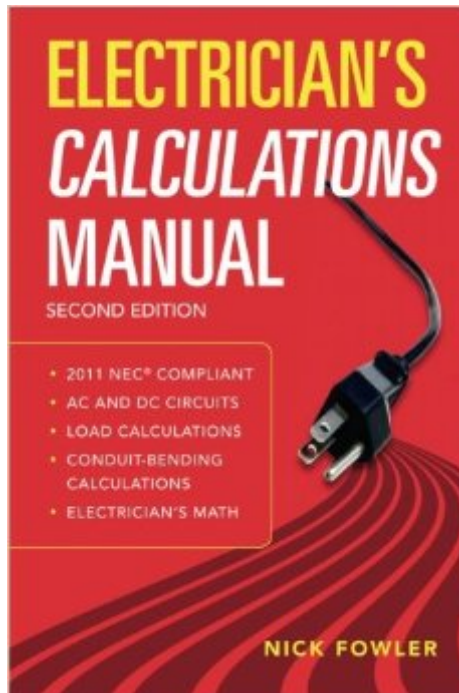


The book was found

Electrician's Calculations Manual, Second Edition



Synopsis

THE ULTIMATE ON-THE-JOB COMPANION--FULLY UPDATED Thoroughly revised to reflect the 2011 National Electrical Code (NEC) and the latest industry advances, Electrician's Calculations Manual, Second Edition gives you quick access to the basic calculations needed for any given job. The book also serves as an ideal review for license preparation. End-of-chapter questions plus an end-of-book final test help reinforce the material covered. Written by a Master Electrician with more than 40 years of experience, this practical guide helps you: Find answers for both AC and DC circuits Solve problems related to motor circuits and transformers Calculate single-dwelling and multifamily loads Accurately figure requirements for commercial jobs Perform conduit-bending math Handle service entrance problems Understand the math behind electrical solutions And much more

Book Information

Paperback: 274 pages

Publisher: McGraw-Hill Education; 2 edition (August 26, 2011)

Language: English

ISBN-10: 007177016X

ISBN-13: 978-0071770163

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 12.8 ounces (View shipping rates and policies)

Average Customer Review: 4.5 out of 5 stars Â See all reviews Â (11 customer reviews)

Best Sellers Rank: #186,387 in Books (See Top 100 in Books) #26 in Â Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Contracting #52 in Â Books > Crafts, Hobbies & Home > Home Improvement & Design > How-to & Home Improvements > Heating, Ventilation & Air Conditioning #73 in Â Books > Education & Teaching > Higher & Continuing Education > Test Preparation > Professional > Vocational Tests

Customer Reviews

After further reading, I have amended my previous review downward. I don't much care to find errors in the final publication of technical material. I began finding errors in the overview. An example can be found in paragraph one of the overview, wherein the author says the peak-to-peak voltage is 1.414 times the RMS voltage. That is the peak voltage, not the peak-to-peak voltage. Also, in the second sentence of paragraph number five in the Generation, Transmission, and Distribution section of the Overview, the author states, "The faster the pushing of these electrons, the higher the voltage." This is incorrect. A higher voltage means there is a greater electromotive force (pressure)

pushing the amperage (electrons) through a given resistance. The term "faster" is more relative to the cycles at which the voltage and amperage is motivated through a conductive median. And, I'm still trying to figure out how the author discovered 63.5 electrons in orbit about a copper (Cu) atom, (paragraph four); Or, how anyone might get one-half an electron orbiting about any element for that matter. They really don't make one-half electrons, do they? :-)

Although I have yet to find errors in the calculations, I have found the author's solution to at least one of the problems to be unusually oblique, even circuitous. For example, in Exercise 1-1, problem number 4 states: "A circuit has 1800 watts. What is the voltage if the circuit draws 15 amperes?" The solution given states: "To find the voltage, first find the ohms: $P/I^2 = R$; $1800/15^2 = 1800/225 = 8$ ohms; $RI = E$; $8 \times 15 = 120$ volts.

[Download to continue reading...](#)

Electrician's Calculations Manual, Second Edition Demystifying Opioid Conversion Calculations: A Guide for Effective Dosing (McPherson, Demystifying Opioid Conversion Calculations) Drug Calculations: Ratio and Proportion Problems for Clinical Practice, 9e (Drug Calculations Companion) Stallcup's Journeyman Electrician's Study Guide, 2011 Edition Electricity for the Entertainment Electrician & Technician Electrician's Exam Study Guide 2/E Electrician's Exam Preparation Guide to the 2014 NEC Maintenance Electrician Foreman(Passbooks) (Career Examination Passbooks) Water and Wastewater Calculations Manual, Third Edition Calculations for Molecular Biology and Biotechnology, Second Edition: A Guide to Mathematics in the Laboratory Calendrical Calculations Millennium edition Standard Handbook of Engineering Calculations, Fifth Edition Dosage Calculations, 9th edition Pharmaceutical Calculations 13th edition Calendrical Calculations How to get every Contract Calculation question right on the PMP® Exam: 50+ PMP® Exam Prep Sample Questions and Solutions on Contract Calculations ... Simplified Series of mini-e-books) (Volume 2) Rarefied Gas Dynamics: From Basic Concepts to Actual Calculations (Cambridge Texts in Applied Mathematics) Math Calculations for Pharmacy Technicians: A Worktext, 2e Clinical Calculations Made Easy: Solving Problems Using Dimensional Analysis Dosage Calculations: A Multi-Method Approach

[Dmca](#)