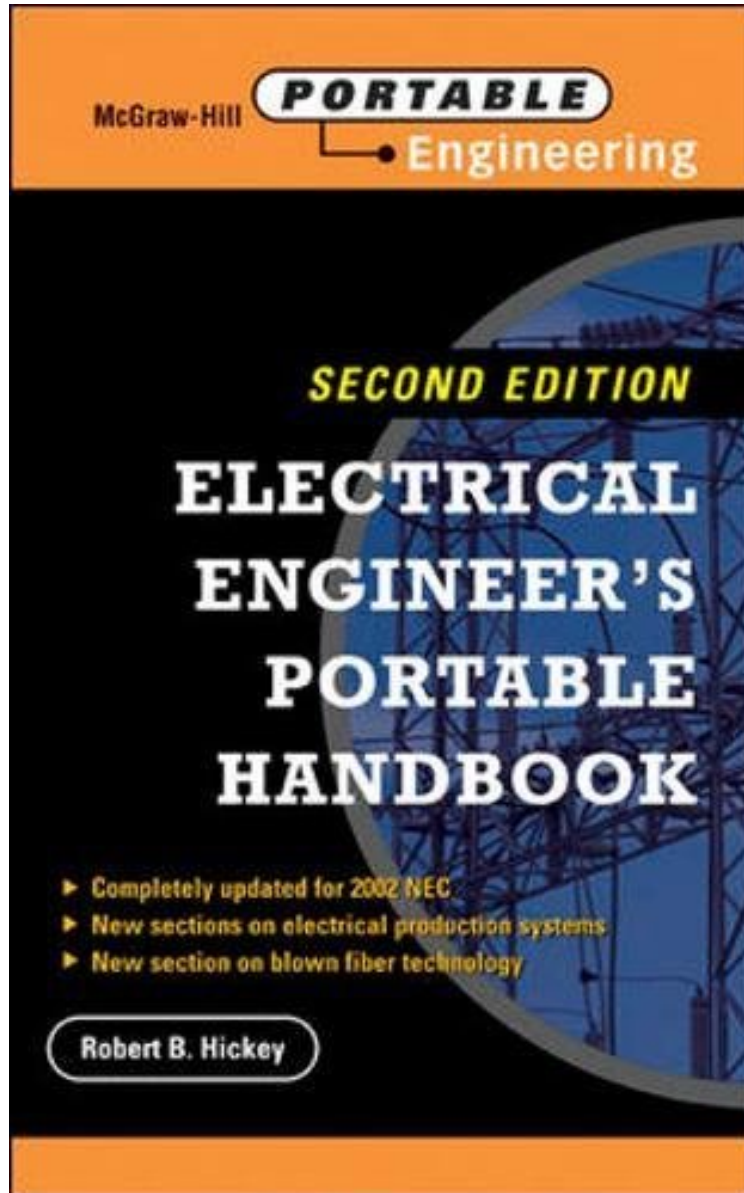


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# Electrical Engineer's Portable Handbook

*Robert Hickey*

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**Robert Hickey : Electrical Engineer's Portable Handbook** before purchasing it in order to gage whether or not it would be worth my time, and all praised Electrical Engineer's Portable Handbook:

1 of 1 people found the following review helpful. Great reference, but DATED poorly bound: buy 1st edition if you can find it.By Ken D.This is an indispensable reference for working engineers (I am a P.E.), BUT, I hoped for an updated version (it is the 2nd edition) when I ordered it. I was disappointed by not only the content updates, but the

binding as well. If you can find one, buy the 1st edition instead. McGraw-Hill is deservedly renowned for publishing textbooks reference works. This one is meant to serve as a handy reference ("handbook" in the title) for EE's, but the binding is remarkably inferior to the 1st edition: a page fell out of this brand new book when I unpackaged it leafed through the first time. Hmmmm... not good for something I expect to use nearly every day. Initially, I thought I'd simply re-order (this IS McGraw-Hill... maybe quality control had a bad day?), but I finished leafing through found:(1) though it's "updated" this edition refers to the 2002 NEC (NFPA 70) - FOUR cycles out of date;(2) the telecom section refers to TIA 568A (we're on rev "C" and even THAT revision is SIX years old). Admittedly, MUCH of the reference material is based on decades-old engineering practices - methods information that change very slowly. However, if one chooses to use a reference with some information decade(s) out of date, save some money buy the 1st edition instead (used, no longer in print). McGraw-Hill bound it suitably for the stated purpose. 0 of 0 people found the following review helpful. All Electrical Engineer's should OwnBy rena8090I am an electrical engineer and this handbook comes in handy when looking up some quick calculations. The handbook included basic design calculations. Also helped when I took my Professional Engineering License Exam. 0 of 0 people found the following review helpful. Four StarsBy Jimmy B. Great book

The first edition of this title proved the most successful of the Portable Handbook series launched in 1999. Aimed at electrical engineers and technicians working in building power systems, the relentlessly practical Handbook succeeded as an in the field working tool. This new edition is necessitated by the new 2002 version of the National Electrical Code (NEC). This code changes render much of the existing material obsolete, so over half the chapters require heavy rewrites to stay current.

The power quality engineer working in the field is often faced with having to design or modify field installations without the benefit of his library and reference books... The Electrical Engineer's Portable Handbook is intended to alleviate this problem by being an all-in-one, quick guide to sizing cable, conduit, motor starters, transformers, service entrances, and to perform short circuit studies, transformer ratings, voltage drop calculations -- to name a few. ... If you are a design engineer, consultant, electrical construction cost estimator or facilities engineer you need a copy of the Electrical Engineers Portable Handbook in your briefcase. -- Power Quality Assurance, January 2000 From the Back Cover THE NO. 1 ON-THE-JOB ELECTRICAL ENGINEERING REFERENCE This quick-look-up working tool, packed with tables, charts, and checklists, takes the guesswork out of almost any electrical design task or calculation. Indispensable for electrical engineers, designers, and technicians, the Handbook provides immediate fingertip access to the fundamental information busy professionals need for everyday use in the field. This new Second Edition has been totally revised to reflect the 2002 National Electrical Code (NEC) and also includes new sections on telecommunications-structured cabling systems, dissipation array system technology for lightning protection, and blown optical fiber technology. With its well-illustrated, systematic framework and ready-to-use tools, no other reference delivers this much time-saving data in such a convenient, highly usable format. COMPACT, COMPLETE, AND FULLY UPDATED TO REFLECT THE 2002 NEC, the Handbook contains information on: \* NEC Articles, Tables, and Data \* Service and Distribution \* Grounding and Ground Fault Protection \* Emergency and Standby Power Systems \* Lighting \* Special Systems \* Miscellaneous Special Applications About the Author Robert B. (Bob) Hickey is a licensed professional engineer in five states and is President and Chief Executive of vanZelm, Heywood, and Shadford, Inc., a leading northeast U.S. mechanical and electrical consulting engineering firm based in West Hartford, CT. His 40 years of experience span the electric utility, contracting, and consulting engineering areas of the industry spectrum. He has taught electrical engineering technology as an adjunct faculty member over a two year period at Connecticut's Community Technical College system. He is the author of McGraw-Hill's Electrical Construction Databook.