



## Electrical Engineer's Reference Book, Sixteenth Edition

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For ease of use, this edition has been divided into the following subject sections: general principles; materials and processes; control, power electronics and drives; environment; power generation; transmission and distribution; power systems; sectors of electricity use.

New chapters and major revisions include: industrial instrumentation; digital control systems; programmable controllers; electronic power conversion; environmental control; hazardous area technology; electromagnetic compatibility; alternative energy sources; alternating current generators; electromagnetic transients; power system planning; reactive power plant and FACTS controllers; electricity economics and trading; power quality.

\*An essential source of techniques, data and principles for all practising electrical engineers

\*Written by an international team of experts from engineering companies and universities

\*Includes a major new section on control systems, PLCs and microprocessors

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## **Electrical Engineer's Reference Book, Sixteenth Edition** From Brand: Newnes **Bibliography**

- Sales Rank: #2894012 in Books
- Brand: Brand: Newnes
- Published on: 2002-10-29
- Original language: English
- Number of items: 1
- Dimensions: 2.96" h x 7.76" w x 9.94" l, 1.10 pounds
- Binding: Hardcover
- 1504 pages

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## **Editorial Review**

### Review

'For its concise and concentrated text and data and for its outstanding arrangement and indexing it is essential to more-or-less any electrical engineering office and laboratory and so will also prove extremely useful for any library collection serving practising or theoretical electrical engineers.' Reference Reviews

### From the Back Cover

- \*An essential source of techniques, data and principles for all practising electrical engineers
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The Electrical Engineer's Reference Book is a unique single-volume reference source for a wide range of practising electrical power engineers and students. It is ideal for all involved with generation, transmission and distribution, as well as the utilisation of electrical power in applications ranging from motor drive systems and control, to electroheat and lighting. Generic issues such as EMC, hazardous area technology and health and safety are also covered.

The book includes established and cutting-edge technologies, fundamental principles and sector-specific information. Throughout the emphasis is on information and techniques needed in the daily work of an electrical engineer.

The sixteenth edition has been thoroughly revised, with many chapters rewritten or replaced - including major new sections covering control systems, PLCs and microprocessors.

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### About the Author

REMaCS: Consultancy and engineering support in the design, testing and performance of rotating electrical machinery, Bromsgrove, UK

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**Elizabeth Hager:**

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