

Delmar's Standard Guide to Transformers

By Stephen L. Herman, Donald Singleton



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Delmar's Standard Guide to Transformers was developed from the best seller Standard Textbook of Electricity with expanded transformer coverage not found in any other text. It goes beyond the traditional theory and design content by including practical applications. This highly illustrated text includes a set of laboratory experiments using standard control transformers and incandescent lamps. These experiments present basic transformer characteristics, polarity, single phase and three phase connections and calculations from a practical, hands-on perspective.



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Editorial Review

Review

Magnetism. Magnetic Induction. Inductance In Alternating-Current Circuits. Single-Phase Isolation Transformers. Autotransformers. Current Transformers. Three-Phase Circuits. Three-Phase Transformers. Single-Phase Loads For Three-Phase Transformers. Transformer Installation. Thransformer Cooling. Transformer Maintenance.

From the Back Cover

Based on Delmar's bestselling Standard Textbook of Electricity, this new text provides expanded transformer coverage not found in any other text. It goes beyond traditional theory and design to include numerous practical applications, and laboratory experiments using standard control transformers and incandescent lamps. All transformer information is presented in accordance with the National Electrical Code requirements.

About the Author

Stephen L. Herman is a retired electrician and teacher with more than 30 years of experience to his credit. A seasoned author, his reader-friendly textbooks on electricity and mathematics are popular with students and instructors alike. For two decades Mr. Herman was lead instructor for the Electrical Technology Curriculum at Lee College in Baytown, Texas, where he received an Excellence in Education Award from the Halliburton Education Foundation. He also taught at Randolph Community College in Asheboro, N.C., for nine years and helped establish an electrical curriculum for Northeast Texas Community College in Mount Pleasant, Texas. His additional publications include ELECTRIC MOTOR CONTROL, ELECTRICITY AND CONTROLS FOR HVAC/R, INDUSTRIAL MOTOR CONTROLS, UNDERSTANDING MOTOR CONTROLS, ELECTRONICS FOR ELECTRICIANS, ALTERNATING CURRENT FUNDAMENTALS, DIRECT CURRENT FUNDAMENTALS, ELECTRICAL STUDIES FOR TRADES, ELECTRICAL PRINCIPLES, EXPERIMENTS IN ELECTRICITY FOR USE WITH LAB VOLT EQUIPMENT, THE COMPLETE LABORATORY MANUAL FOR ELECTRICITY, and PRACTICAL PROBLEMS IN MATHEMATICS FOR ELECTRICIANS.

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