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This junior level electronics text provides a foundation for analyzing and designing analog and digital electronic circuits. Numerous new pedagogical features continue the tradition of providing an accessible approach to learning through clear writing and real-world pedagogy. The third edition includes numerous design examples, a new Design Application feature, problem solving technique pointers, Test Your Understanding questions at the end of every section, and chapter summary checkpoints to reinforce learning. The author, Don Neamen, has many years of experience as an Engineering Educator. His experience shines through each chapter of the book, which retains a design focus supported by rich, realistic examples and practical rules of thumb. The Third Edition continues to offer the same hallmark features that made the previous editions such a success. Extensive Pedagogy: An Introduction at the beginning of each chapter links the new chapter to the material presented in previous chapters. The objectives of the chapter are then presented in the Preview section and reinforced at the beginning of each chapter subsection. Test Your Understanding Exercise Problems with provided answers have all been updated. New Design Applications are included at the ends of chapters. These applications lead students through the design and development of an electronic thermometer. Each specific design ties into the objectives of the chapter. Specific Design Problems and Examples are highlighted throughout the book, along with design pointers which help students tackle tricky design issues.