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Working as a recording engineer presents challenges from every direction of your project. From using microphones to deciding on EQ settings, choosing outboard gear to understanding how, when and why to process your signal, the seemingly never-ending choices can be very confusing. Professional Audio's bestselling author Bobby Owsinski (The Mixing Engineer's Handbook, The Mastering Engineer's Handbook) takes you into the tracking process for all manner of instruments and vocals-- providing you with the knowledge and skill to make sense of the many choices you have in any given project. From acoustic to electronic instruments, mic placement to EQ settings, everything you need to know to capture professionally recorded audio tracks is in this guide.

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The book fills a void as a textbook with hands-on laboratory exercises designed for biomedical engineering undergraduates in their senior year or the first year of graduate studies specializing in electrical aspects of bioinstrumentation. Each laboratory exercise concentrates on measuring a biophysical or biomedical entity, such as force, blood pressure, temperature, heart rate, respiratory rate, etc., and guides students through all the way from sensor level to data acquisition and analysis on the computer. The book distinguishes itself from others by providing electrical circuits and other measurement setups that have been tested by the authors while teaching undergraduate classes at their home institute over many years. Key Features: • Hands-on laboratory exercises on measurements of biophysical and biomedical variables • Each laboratory exercise is complete by itself and they can be covered in any sequence desired by the instructor during the semester • Electronic equipment and supplies required are typical for biomedical engineering departments • Data collected by undergraduate students and data analysis results are provided as samples • Additional information and references are included for preparing a report or further reading at the end of each chapter Students using this book are expected to have basic knowledge of electrical circuits and troubleshooting. Practical information on circuit components, basic laboratory equipment, and circuit troubleshooting is also provided in the first chapter of the book.

This handbook on Process Instrumentation is a complete package on the following topics - Pressure, Temperature, Flow, Level and Process Analyzer which is the most common and important equipment in any process in petrochemical industry.

The Instrument and Automation Engineers' Handbook (IAEH) is the #1 process automation handbook in the world. Volume two of the Fifth Edition, Analysis and Analyzers, describes the measurement of such analytical properties as composition. Analysis and Analyzers is an invaluable resource that describes the availability, features, capabilities, and selection of analyzers used for determining the quality and compositions of liquid, gas, and solid products in many processing industries. It is the first time that a separate volume is devoted to analyzers in the IAEH. This is because, by converting the handbook into an international one, the coverage of analyzers has almost doubled since the last edition. Analysis and Analyzers: Discusses the advantages and disadvantages of various process analyzer designs Offers application- and method-specific guidance for choosing the best analyzer Provides tables of analyzer capabilities and other practical information at a glance Contains detailed descriptions of domestic and overseas products, their features, capabilities, and suppliers, including suppliers' web addresses Complete with 82 alphabetized chapters and a thorough index for quick access to specific information, Analysis and Analyzers is a must-have reference for instrument and automation engineers working in the chemical, oil/gas, pharmaceutical, pollution, energy, plastics, paper, wastewater, food, etc. industries. About the eBook The most important new feature of the IAEH, Fifth Edition is its availability as an eBook. The eBook provides the same content as the print edition, with the addition of thousands of web addresses so that readers can reach suppliers or reference books and articles on the hundreds of topics covered in the handbook. This feature includes a complete bidders' list that allows readers to issue their specifications for competitive bids from any or all potential product suppliers.

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