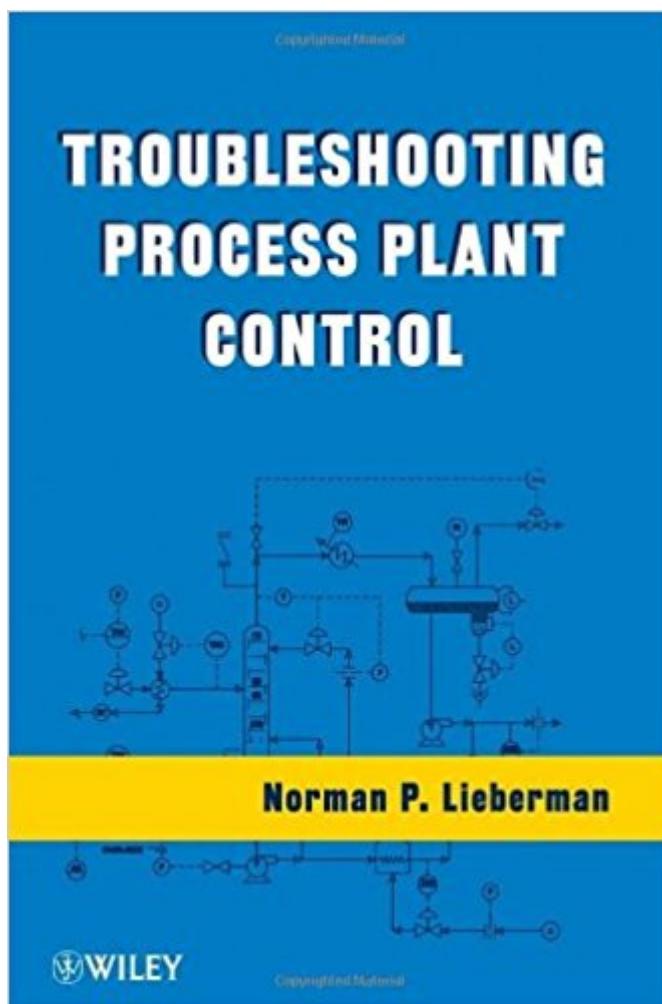


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# Troubleshooting Process Plant Control



## Synopsis

The book focuses on process control in the petroleum and refinery industries, with an emphasis on problem solving. The author explores various real life examples and relays the lessons learned from his career in this area. He explains many new yet straightforward concepts without the use of complex mathematics. This handy go-to emphasizes single and well-established process engineering principles that will help working engineers and operators switch manual control loops to automatic control.

## Book Information

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## Customer Reviews

Easy-to-implement solutions that don't require complex mathematics. Without resorting to complicated concepts, Troubleshooting Process Plant Control gives you the skills needed to solve typical problems in process control. It's filled with real-life examples of problems that commonly arise in process control alongside commonsense solutions. Moreover, the text is exceptionally easy to understand. While there are many new control concepts presented, they are all solidly based on decades-old technical concepts. Troubleshooting Process Plant Control focuses on problem solving in the petroleum and refinery industries. It emphasizes well-established process engineering principles that enable engineers and operators to switch from manual control loops to automatic control. Among the chapters presented are: Pressure control in multicomponent systems • refrigeration and distillation Sizing control valves • oversizing and undersizing consequences Centrifugal compressor surge and motor overamping Function of a

process control engineer• practical ideas• the job in a process plant Alarms and trips• design and field testing• promoting safety in plant operations HAZOP and P&ID reviews Author Norman Lieberman is well known throughout the process industry for his ability to troubleshoot complex problems and teach others how to do it as well. Thousands of engineers and operators have advanced their skills by reading his books, watching his videotapes, and attending his popular seminar "Troubleshooting Process Operations." With its straightforward explanations, clear examples, and easy-to-implement solutions, this book is ideal for all plant panel board operators and process engineers.

Norman P. Lieberman is an independent process design engineer and field troubleshooter. His clients include refineries and petrochemical plants. Mr. Lieberman is well known and respected in the process industry for his seminar "Troubleshooting Process Operations," which he has presented to more than 12,000 engineers and plant operators.

Pretty good reading.

This was no disappointment, in that Norm Lieberman gets the important information across in a very easy to understand manner. He uses personal stories just like in his other books, to illustrate points with some humor, and to help make technical details easy to grasp. I don't remember which of his books I first bought, but every one of them has been a 5-star book based on both content and readability. I am sure there are engineers as bright or brighter than Lieberman, but I have yet to read any books on the process side of industry that are as entertaining or informative. Wiley has a winner in Mr. Lieberman and I wish them both many more new Lieberman books before Norman P. Lieberman finally hangs up his hat and quits writing for those who enjoy learning from him.

Excellent practical guide to process trouble-shooting. Doesn't have a lot of technical formulas.calcs, but gets down to business on control issues and proper ways to develop control loops for equipment. Author also has a solid sense of humor.

very useful information for those starting to troubleshoot plant processes. I work in the wastewater industry and even though the focus of this work is not for this industry, it definitely gave me some good hints on troubleshooting.

This book is both easy to read and very informative. For those chemical engineers not familiar with process control, it will be a good first step into this important subject.

This was an incredible book. If you've enjoyed Norm's humor and insights about life, you might also enjoy his new book, "My Race Against Death" which is about his life as a runner. At the age of 73, he's just run two marathons.

The book is very clear, and easy to understand. It adds upon the knowledge you already have. If you are a novice you will better understand process controls. I recommend this book to anyone in the field of operations. Thank you Joe

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