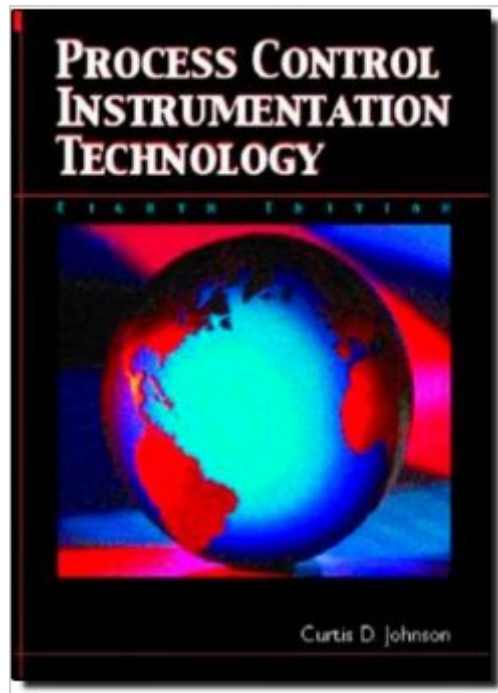


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# Process Control Instrumentation Technology (8th Edition)



## Synopsis

This manual is designed to provide users with an understanding and appreciation of some of the theoretical concepts behind control system elements and operations, without the need of advanced math and theory. It also presents some of the practical details of how elements of a control system are designed and operated, such as would be gained from on-the-job experience. This middle ground of knowledge enables users to design the elements of a control system from a practical, working perspective, and comprehend how these elements affect overall system operation and tuning. This edition includes treatment of modern fieldbus approaches to networked and distributed control systems. Generally, this guidebook provides an introduction to process control, and covers analog and digital signal conditioning, thermal, mechanical and optical sensors, final control, discrete-state process control, controller principles, analog controllers, digital control and control loop characteristics. For those working in measurement and instrumentation and with control systems and PLCs.

## Book Information

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## Customer Reviews

For those of us looking for new up-to-date technical information in the process field we will have to go elsewhere. This book contains the same basic information as in the first edition. While it has some good material for learning beginning theoretical process control at the technical level it is a waste of money if you are interested in modern technology.

This was one of the first books I read on process control. Whether or not you should buy the book would depend on what your course demands. The beauty of the book lies in its lucidity which shows the authors' understanding of all the sensors and instruments...the book stresses on the principles of working of all the instruments. I understood every single transducer I learnt about in the book. Another plus point of the book is that it is self-sufficient, in that you don't have to take another book while reading this one. It starts off by discussing all that you need to know about OP-Amp circuits for process control and even digital electronics. My course in Process Control demanded a very high degree of detail in most of the process control mechanisms and transducers so I didn't find everything I needed in this book. But it covered my syllabus to the greatest extent of all the books and explained it in a beautiful manner.

Worked great for my class, what little we used it. I'm a MET major that is required to take this electrical course, so it was a little outside my field of study. The book wasn't too bad, and the Eastern Education Edition (International) was actually recommended by our professor. Did everything we needed it to do.

Do not believe what others say about this book. I have personally read this book and it is a great book on instrumentation and controls. You will learn much from reading this book than by browsing through other tomes. This book will take you days to read and you will learn much much more than other books. Material is explained beautifully and it is a joy and pleasure to read. If you want to make best use of your time, buy this book. It is worth every cent of your money.

I used this book in one of my engineering classes. It is very useful and to the point, especially the section concerning thermocoupling controls. I use this knowledge in my engineering job.

Very good book, easy to understand. Required for my Instrumentation course. Clear examples and figures and complete step by step chapters.

This "Eastern Economy" paperback copy of the book contains all the same information as the hard cover, but at 1/10th the price.

great price and material. good condition and will be able to pass it on to my fellow students upon class completion

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