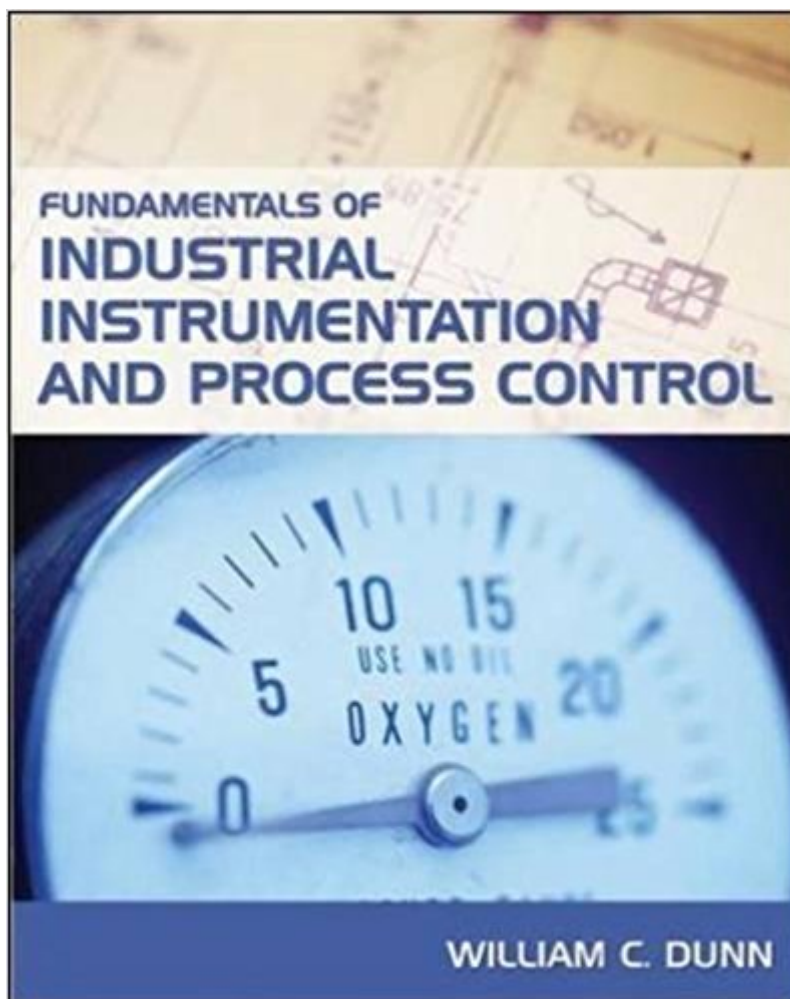


The book was found

# Fundamentals Of Industrial Instrumentation And Process Control



## Synopsis

Instrumentation technicians work on pneumatics, electronic instruments, digital logic devices and computer-based process controls. Because so much of their work involves computerized devices, they need an extensive knowledge of electronics, and most have degrees in electronics technology. Most textbooks in this area are written for four year institutions and lack the practical flavor that is needed in technical schools or community colleges. Designed as a text for use in community colleges or vocational schools, this up to date text is unsurpassed in its treatment of such subjects as: instruments and parameters, electrical components(both analog and digital) various types of actuators and regulators, plumbing and instrumentation diagrams and Operation of process controllers.

## Book Information

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## Customer Reviews

"Steven Matern, Professor Big Bend Community College, "We currently use Industrial Instrumentation (Iu-Mechanical Technology) by Al Sutko, which is written at a higher level for your students. The author certainly has the right background to write such a textbook at the appropriate level for the students. This proposal has a lot of promise and with the proper changes and price, I would adopt this book for my classes."

A PRACTICAL GUIDE TO AUTOMATED PROCESS CONTROL AND MEASUREMENT SYSTEMS  
Basic, clear, and concise, Fundamentals of Industrial Instrumentation and Process Control provides

students with the perfect bridge between the theories and principles found in most textbooks and the practical knowledge gained on the factory floor. Drawing upon years of experience as an engineer and educator, William Dunn offers a practical and easy- to-use guide that meets the needs of technicians and engineers working or training in any process control function. The text provides a thorough exposition of electrical components -- both analog and digital -- pneumatics, actuators, and regulators and details their application to the industrial process. Each chapter is written in a clear, logically organized manner and contains an abundance of realistic problems, examples, and illustrations to challenge the students to think and encourage them to apply this fundamental body of knowledge to the solution of practical problems. Fundamentals of Industrial Instrumentation and Process Control features: Practical perspectives on pneumatics, electronic instruments, and digital logic devices Fundamental electrical components and digital signaling and transmission Inside-the-device explanations of all major types of sensors and actuators Both English and metric units THE COVERAGE NEEDED TO BECOME AN INDUSTRIAL INSTRUMENTATION TECHNOLOGIST: Introduction and Review \* Basic Electrical Components \* AC Electricity \* Electronics \* Pressure \* Level \* Flow \* Temperature and Heat \* Humidity, Density, Viscosity, and pH \* Other Sensors \* Actuators and Control \* Signal Conditioning \* Signal Transmission \* Process Control \* P & ID (Pipe and Identification Diagrams)

After so many years of working in a certain industry you begin to realize that you understand it all and yet you no longer remember how any of it actually works. After 28 years of working with control systems I saw myself looking back at my past projects and realized that I didn't remember how they work. This text is well written and was the perfect refresher that I needed. It's good for beginners while at the same time not a complete waste of time for a seasoned pro. Highly recommend.

Meets the intended purpose for review purposes.

perfect

I use this type of book on a day to day use. It helps me troubleshoot the various things I work on daily. It completely sucks because after paying a huge price for this brand new book it showed up and had pages falling out plus it looks like it is barely put together at all. I don't think it will last no more than two weeks at most. If you are considering using this book as a text book or for anything else besides a door stop Do Not get this book.

This book was hard to answer its own questions from. So hard that the instructors are not using it next summer semester. Sad when the author makes you have to go on the internet to find and get answers.

The content of the book was informing. My only complaint is a new book should not have pages falling out all throughout the book. Makes reading it difficult with pages falling out

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