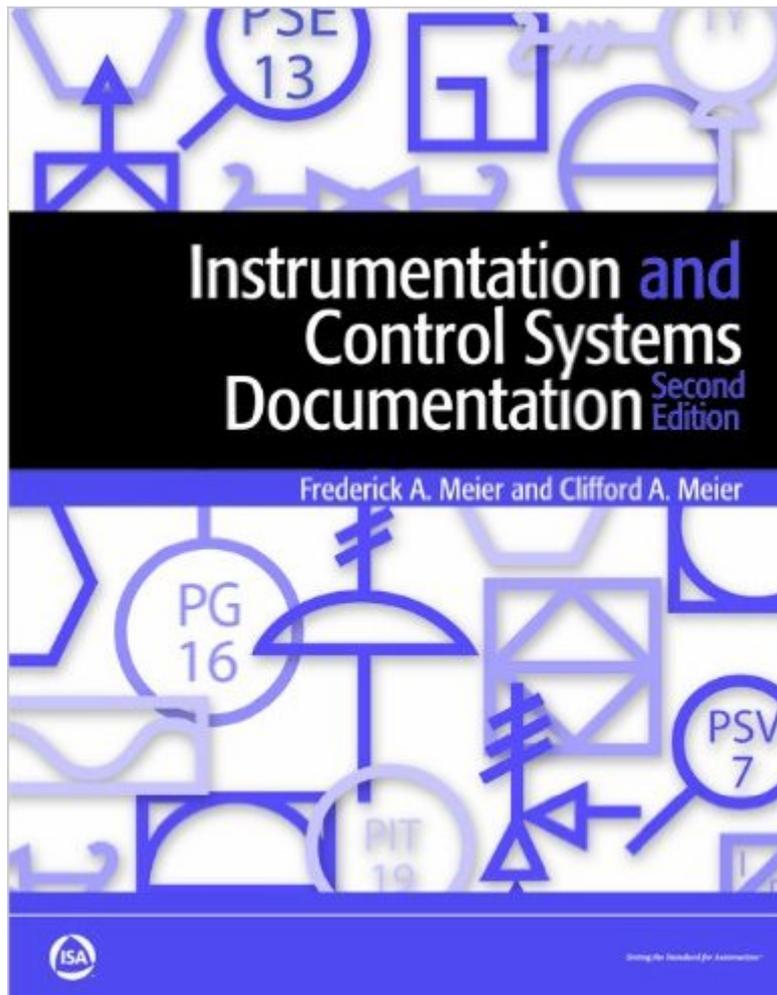


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Instrumentation And Control Systems Documentation, Second Edition



Synopsis

This book provides the reader with knowledge needed to understand and apply the symbols and documents used to define a modern industrial instrumentation and control system. The documents that describe modern industrial processes, like most technical work, assume some level of understanding on the readers part. The documents use a schematic, symbol-based language that may resemble Mayan hieroglyphics to those unfamiliar with the process nomenclature. The symbols, however, include a wealth of information once you are able to translate them. This book will train you to read, understand, and apply the symbols and documents used to define a modern industrial instrumentation and control system. For more experienced professionals, insights into using the symbols and documents more effectively are provided. Variations in the use of symbols and documents are given as well as the pitfalls to avoid. To better understand process documentation today, insight into how and when documents are developed, who develops them, why they are developed, and how they are used is provided. The types of documents discussed include process flow diagrams, piping and instrumentation drawings, instrument lists, specification forms, logic diagrams, installation details, location plans, and loop diagrams.

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Customer Reviews

This book is a very nice and concise way to describe ISA 5.1. I've used it to clarify some decisions when I redline P&IDs for midstream gas processing facilities. I would still recommend that the reader acquire ISA 5.1 for reference. Another good standard would be ISA 5.4 "Instrument Loop

Diagrams".

Liked logical sequence of content that leads reader clearly through 8 fully explained steps from process flow through loop diagrams. Authors broad experience in multiple fields provides meaningful insight as to why P&IDs tend to look the same but differ according to company policy and professional preference, issues that tend to complicate contractor, professional, and vendor communities. This is an easy read for a somewhat complicated subject, most professional publications tend to overemphasize the minucia, this book treats the concepts with a very practical and sometimes humerous pen.

Just started reading this book to enhance my knowledge and find this book very informative and a worthwhile read. I am already fairly knowledgeable about most of it, but this book helps me to enhance my knowledge skills and fill in a few gaps. I recommend it.

Very informational book, a must have for ISA CCST Exam preparation and study. Good for aspects of both a technicians stand point as well as engineering.

Excellent reference, and unlike a lot of text books, is geared well towards industry. It's a short book, but is filled very densely with information.

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