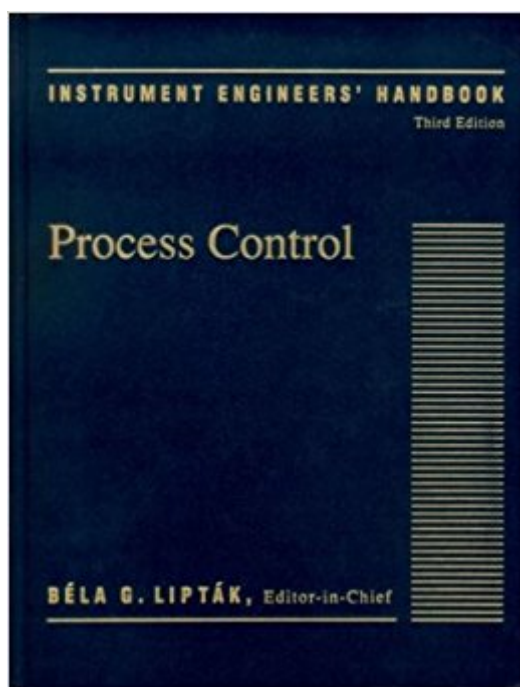


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# Instrument Engineers' Handbook, Third Edition: Process Control



## Synopsis

This third edition of the Instrument Engineers' Handbook-most complete and respected work on process instrumentation and control-helps you:

## Book Information

Hardcover: 1584 pages

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## Customer Reviews

'Whether used as a text book by inexperienced engineers, or as a quick reference book for the experienced engineer - this book looks set to continue to be the main reference for the instrument engineer for the next decade - and at a realistic price which is better value today.'

Control & Instrumentation

Excellent

The first edition was published in 1969, the second edition was released in 1982 (Volume 1) and 1985 (Volume 2). This latest edition comprises over 3000 pages between the 2 volumes. Each volume includes 8 chapters with many sub-headings per chapter. The Flow Measurement (29 sub-headings) and Analytical Instrumentation (60 sub-headings) chapters were heavily revised for the 1995 edition of VOLUME 1. PLC's & Other Logic Devices (10 subheadings), DCS & Computer-based Systems (16 sub-headings) and Process Control Systems (27 sub-headings) were largely rewritten for the 1995 edition of VOLUME 2. Within each product-oriented sub-heading (eg.

Magnetic Flowmeters, Infrared Analyzers, DCS Basic Packages), in addition to extensive treatment of the applicable technology, a comprehensive listing of manufacturers and typical price ranges is provided. Under Process Control Systems, a diverse group of applications (Airhandler Controls, Clean Room Controls, Distillation Advanced Controls, Compressor Controls, Reactor Control & Optimization and many others) is profiled. Throughout this handbook, process control is treated in the time-domain to minimize mathematical complications implicit in frequency-domain analysis. Its focus is the practicing engineer and explains most control phenomena visually. Over 250 contributing authors are listed, including many prestigious names immediately recognizable by process control professionals. Liptak personally authored a substantial number of revised and up-dated earlier contributions of pioneering practitioners. This opus is a tour de force. Liptak is a long-time industrial consultant, teaches a graduate course in advanced process control at Yale and writes the widely-followed Lessons Learned feature in CONTROL magazine. He has also lectured at Harvard's Kennedy School of Government and been published on the editorial pages of the New York Times and The Wall Street Journal.

This book is a Must Have in your Engineering Library. Liptak provides extensive detail for this to be your one-stop-shop for controls as well as a great introduction & encyclopedia for the rookies. Hats off to Liptak and his team. Just brace yourself for the 1,500 pages of information !! ;)

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