

June 2006

ISA Books and Standards



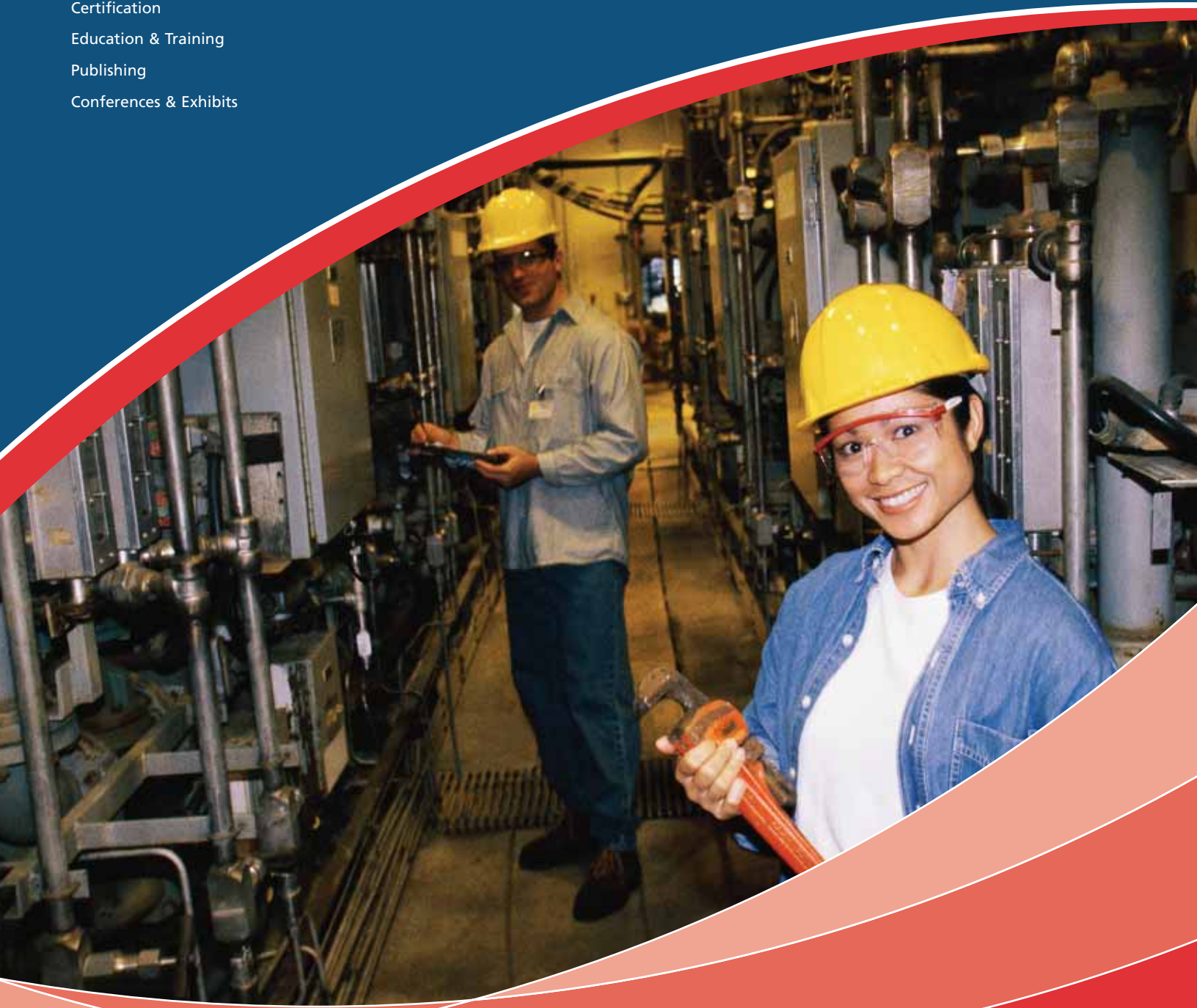
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Vernon L. Trevathan – Editor

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Paul G. Friedmann

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Lawrence (Larry) M. Thompson

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Batch Control Systems - Design, Application, and Implementation, 2nd Edition

William M. Hawkins and Thomas Fisher

This revision of the 1990 work by Thomas Fisher covers an introduction to batch processes; batch control system structures; batch control; batch communications and batch control system design. Hawkins offers a comprehensive analysis of the development and evolution of batch control from the original NAMUR model through the most current publications in the ANSI/ISA-88 series. Through examples, commentary, analogies and at times wry humor the author provides an in-depth philosophical discussion of how batch control and all manufacturing enterprises have been impacted by the work of ANSI/ISA-88.



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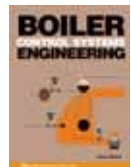
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Boiler Control Systems Engineering

Jerry Gilman

This book addresses issues to be considered when defining measurement transmitters and specification for transmitters. Final control elements are reviewed as to characteristics and sizing. Engineering details on control systems and the setup of the various control functions are covered with specific examples of boiler control including configuration and tuning.



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Mike Cable

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Thomas McAviney and Raymond Mulley

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Ian Verhappen and Augusto Pereira

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D. A. Coggan – Editor

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Fundamentals of Test Measurement Instrumentation

Keith R. Cheatle

This book discusses the specialized test instrumentation used in R&D laboratories, testing organizations, and industrial maintenance departments. It focuses on the practical application of test instrumentation and emphasizes the importance of creating a “measurement system” that involves components, installation, wiring, and calibration. The design, application and calibration of systems for measuring pressure, temperature, flow, force, displacement, and vibration will also be covered.



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Good Tuning: A Pocket Guide, 2nd Edition

Gregory K. McMillan

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Perry S. Marshall and John S. Rinaldi

This revised best-seller is a convenient installation, troubleshooting, and reference tool on one of the hottest topics in automation and process control. It will help you understand important Ethernet and TCP/IP terminology and provide important information about the new industrial protocols. You will quickly gain a solid grasp of Ethernet basics, the constraints of the industrial environment, and the specialized requirements of machine control.



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Béla G Lipták

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Instrumentation and Control Systems Documentation

Frederick A. Meier and Clifford A. Meier

This book will train you to read, understand, and apply the symbols and documents used to define a modern industrial instrumentation and control system. To help you better understand process documentation today, insight into how, when, and why documents are developed, who develops them, 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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Jim Strothman

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Loop Checking: A Technician's Guide

Harley M. Jeffery

This technician's guide defines loop checking in the broader scope of control loop performance, in addition to the more traditional terms of the plant startup. It discusses general methods and practices that can be applied across many processes and industries. Featured topics include: loop checking basics, factory acceptance testing, wiring and loop checks, performance benchmarking, and sustaining performance.



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Maintenance of Instruments & Systems, 2nd Edition

L. D. Goettsche – Editor

This new enlarged and updated edition of ISA's best-selling maintenance handbook provides comprehensive coverage of maintenance requirements for pneumatic and electrical/electronic devices as well as expanded coverage of DCS systems, analytical instrumentation, fiber optics, and smart instruments.

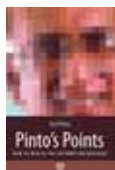


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Weight: 3 lbs.
www.isa.org/landSMaintenance

Pinto's Points: How to Win in the Automation Business

Jim Pinto

If you need some insightful pointers on how to succeed in the automation business, or an overview of the latest technologies, then this is the book for you. An updated and enhanced collection of ISA's "Pinto's Points" columns, published every week as part of *InTech* e-News, the book covers management topics, globalization, sales and marketing as well as nanotechnology, micro-electronic mechanical systems, robotics and wireless systems. Once again Jim Pinto has gone beyond business as usual to explore the implications of future technology and how it will change the global automation marketplace. Conveniently organized and with insights from other industry leaders, this book is a must read for every automation professional and a classic for your automation library bookshelf.



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Thomas A. Hughes

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Safety Instrumented Systems: Design, Analysis, and Justification, 2nd Edition

Paul Gruhn and Harry Cheddie

This book addresses the increased realization that today's engineering systems—and the computers used to control them—are capable of large-scale destruction. When even a single accident could be disastrous, the luxury of learning from experience no longer exists. This book is a practical how-to text on the analysis, design, application, and installation of safety instrumented systems (SIS).



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Safety Instrumented Systems Verification – Practical Probabilistic Calculations

William M. Goble and Harry Cheddie

This book clearly explains how to do probabilistic calculations to accomplish Safety Integrity Level (SIL) verification for safety systems. Starting with a description of the safety lifecycle, the authors show where and how SIL verification fits into the key activities from conceptual design through commissioning.



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SCADA: Supervisory Control and Data Acquisition, 3rd Edition

Stuart A. Boyer

This newly revised reference book overviews SCADA's component technologies, including the details necessary to understand the big picture. After completing its 14 self-study units, you should be conversant with SCADA nomenclature and architecture, understand the basic technology of the system's building blocks, understand its limitations, understand how it can benefit particular operations, and have a basis for selecting appropriate SCADA technologies for your operational requirements.



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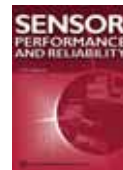
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Sensor Performance and Reliability

H. M. Hashemian

This book describes several new instrumentation testing, diagnostics, and analysis techniques to verify the reliability, health, and performance of process instrumentation. You will better understand how to objectively assess the accuracy, response time, residual life and other characteristics of installed instrumentation and have a practical means to identify the problems.



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Sensor Selection Guide: Optimizing Manufacturing and Processes, 2nd Edition

Paul W. Chapman

This one-of-its-kind book offers a self-study course addressing all the facets of sensor applications including a sensors application guide. This guide can be used to direct you to a family of sensors best suited to be used in specific sensor applications. Filled with examples of applying various materials technologies, this book also provides a wealth of information from theoretical and practical perspectives. This book also includes descriptions of sensors, sensor technologies, sensor manufacturing, artificial intelligence, and much more.



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Software for Automation: Architecture, Integration, and Security

Jonas Berge

This implementation-oriented book provides a clear and concise presentation of how to fully apply software in automation. It provides "how-to" information for all phases of the system lifecycle from configuration, system integration, troubleshooting, and engineering, to administration.



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Successful Instrumentation and Control Systems Design with CD

Michael D. Whitt

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Ted Williams, Stan Weiner, and Greg McMillan

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Troubleshooting: A Technician's Guide, 2nd Edition

William L. Mostia, Jr., P.E.

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Wireless Networks for Industrial Automation, 2nd Edition

Dick Caro

This newly revised digital book has been expanded to include the increasingly popular new wireless application Radio Frequency Identification (RFID) while also providing a clear, unbiased view of the emerging wireless communications market. Author Dick Caro explores wireless communications from the factory and process automation viewpoint to help you make clear decisions on the timing and strategy for implementing wireless networks for automation projects.

To keep pace with the ever-changing nature of this technology, this book is offered in digital format so that it can be updated on a continual basis. For a full year, if a new edition or update of the digital book is issued, you will receive email notification and be able to download the new PDF file at no extra charge.



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The 3rd edition of the ISA Specification Forms in Word Format on CD-ROM includes forms developed to aid the design, purchase, and manufacture of process measurement and control instrumentation. Includes 51 new reusable template forms for use in Microsoft Word.

These expanded specification forms have been modified extensively to cover operating parameters and expand the form content beyond the limitations of the original ISA-20-1981 forms. Many of the forms represent new devices not previously covered by the original forms. Separate forms are provided for operating parameters, device specifications, and general requirements, as well as supplementary pick lists for each form.



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ISA-84 Process Safety Standards CD, 4th Edition

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- **ISA-TR84.00.04-2005, Part 1: Guideline on the Implementation of ANSI/ISA-84.00.01-2004 (IEC 61511 Mod)**
- **ISA-TR84.00.04-2005, Part 2: Example Implementation of ANSI/ISA-84.00.01-2004 (IEC 61511 Mod)**

Among other standards included are:

- **ANSI/ISA-84.00.01-2004 Part 1, (IEC 61511-1 Mod)** — Functional Safety: Safety Instrumented Systems for the Process Industry Sector - Part 1: Framework, Definitions, System, Hardware and Software Requirements
- **ANSI/ISA-84.00.01-2004 Part 2, (IEC 61511-2 Mod)** — Functional Safety: Safety Instrumented Systems for the Process Industry Sector — Part 2: Guidelines for the Application of ANSI/ISA-84.00.01-2004 Part 1 (IEC 61511-1 Mod) — Informative
- **ANSI/ISA-84.00.01-2004 Part 3** — Functional Safety: Safety Instrumented Systems for the Process Industry Sector — Part 3: Guidance for the Determination of the Required Safety Integrity Levels — Informative

Also added are 40 CFR 68 on Chemical Accident Prevention, 29 CFR 1910.119 concerning Safety Management of Highly Hazardous Chemicals, and selected ISA technical papers covering safety topics.



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- **ANSI/ISA-88.00.04-2003, Batch Control Part 4** — Batch Production Records
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plus a compilation of over 20 ISA Technical Papers on batch systems control, Batch XML Schemas, 21 CFR 11, 21 CFR 210, 21 CFR 211, and excerpts from *Applying S88: Batch Control from a User's Perspective*, an excellent tool for better understanding the above standards.



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ISA-95 Manufacturing Enterprise Systems Standards CD, 2nd Edition

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- **ANSI/ISA-95.00.02-2001** — Enterprise-Control System Integration Part 2: Object Model Attributes
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- 15 papers written by world-renowned security experts



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Resources By Technical Area

Helping you find the resources you need

ISA resources are organized by the technical categories defining automation.

1. Basic Continuous Control — analytical instrumentation, process instrumentation, continuous control, control valves, analog communications, documentation, and control equipment

2. Basic Discrete, Sequencing and Manufacturing Control — discrete input and output devices, discrete and sequencing control, as well as motor and drive control

3. Advanced Control — process modeling, batch control, building automation, and environmental issues

4. Reliability, Safety and Electrical — alarm management, process safety, electrical installations, and electrical safety

5. Integration and Software — digital communications, industrial networks, MES integration, network security, software, data management, and operator interfaces

6. Deployment and Maintenance — operator training, checkout, system testing and startup, troubleshooting, long term support and system management

7. Work Structure — automation benefits, project justification, project management, and interpersonal skills

Title	Online	ISBN	Member	List	Basic Continuous Control	Basic Discrete, Sequencing, and Manufacturing Control	Advanced Control	Reliability, Safety and Electrical	Integration and Software	Deployment and Maintenance	Work Structure
A Guide to the Automation Body of Knowledge, 2nd Edition	www.isa.org/autobok	978-1-55617-984-6	\$95	\$109	X	X	X	X	X	X	X
Advanced Control Unleashed: Plant Performance Management for Optimum Benefit	www.isa.org/advancedcontrol	978-1-55617-815-3	\$79	\$89	X	X	X		X		
Advanced pH Measurement and Control, 3rd Edition	www.isa.org/pH	978-1-55617-851-1	\$72	\$79	X		X				
Advanced PID Control	www.isa.org/advancedPID	978-1-55617-942-6	\$88	\$96	X		X				
Advanced Temperature Control	www.isa.org/advtempcontrol	978-1-55617-540-4	\$48	\$60	X		X				
Analytical Instrumentation	www.isa.org/analyticalhandbook	978-1-55617-581-7	\$120	\$155	X		X				
Applying S88: Batch Control from a User's Perspective	www.isa.org/applyS88	978-1-55617-703-3	\$49	\$59	X		X				
Automation and Control Systems Economics, 2nd Edition	www.isa.org/economics	978-1-55617-951-8	\$65	\$72							X
Automation Network Selection	www.isa.org/networkselect	978-1-55617-861-0	\$49	\$55	X	X			X		
Automation, Systems, and Instrumentation Dictionary, 4th Edition (with CD-ROM)	www.isa.org/dictionary	978-1-55617-778-1	\$79	\$89	X	X	X	X	X	X	X
Automation Unplugged: Pinto's Perspectives, Pointers, & Prognostications	www.isa.org/unplugged	978-1-55617-864-1	\$25	\$25	X	X			X		X
Basic and Advanced Regulatory Control: System Design and Application, 2nd Edition	www.isa.org/regcontrol	978-1-55617-873-3	\$75	\$86	X		X				
Basic Electricity and Electronics for Control: Fundamentals and Applications, 3rd Edition	www.isa.org/basicelectricity	978-1-55617-988-4	\$78	\$88	X			X			
Basic Math for Process Control	www.isa.org/basicmath	978-1-55617-813-9	\$39	\$45	X						
Batch Control Systems – Design, Application, and Implementation, 2nd Edition	www.isa.org/batchcontrol	978-1-55617-967-9	\$89	\$95	X		X			X	
Boiler Control Systems Engineering	www.isa.org/boilereng	978-1-55617-907-5	\$52	\$59	X					X	
Bottom-Line Automation, 2nd Edition	www.isa.org/bottomline	978-1-55617-962-4	\$62	\$69			X				X
Bungee Jumping & Cocoons: The Dual Nature of the Industrial Marketplace	www.isa.org/bungee	978-1-55617-860-3	\$20	\$20							X
Calibration: A Technician's Guide	www.isa.org/calibrate	978-1-55617-912-9	\$69	\$79	X					X	
Cascading Logic: A Machine Control Methodology for Programmable Logic Controllers	www.isa.org/cascadelogic	978-1-55617-814-6	\$49	\$55	X	X					

Title	Online	ISBN	Member	List	Basic Continuous Control	Basic Discrete, Sequencing, and Manufacturing Control	Advanced Control	Reliability, Safety and Electrical	Integration and Software	Deployment and Maintenance	Work Structure
Certified Automation Professional (CAP) Study Guide	www.isa.org/capguide	978-1-55617-888-7	\$29	\$39	X	X	X	X	X	X	X
Certified Control Systems Technician (CCST) Study Guide, Level I	www.isa.org/ccst1	978-1-55617-573-2	\$29	\$39	X			X			X
Certified Control Systems Technician (CCST) Study Guide, Level II	www.isa.org/ccst2	978-1-55617-629-6	\$29	\$39	X			X			X
Certified Control Systems Technician (CCST) Study Guide, Level III	www.isa.org/ccst3	978-1-55617-691-3	\$29	\$39	X			X			X
Certified Industrial Maintenance Mechanic (CIMM) Study Guide	www.isa.org/cimmguid	978-1-55617-901-3	\$29	\$39				X		X	X
Condensed Handbook of Measurement and Control, 2nd Edition	www.isa.org/MandCHandbook	978-1-55617-850-4	\$65	\$74	X						
Consumer Guide to Coriolis Mass Flowmeters	www.isa.org/coriolisflow	1-932095-01-2	\$225	\$250	X						
Consumer Guide to Differential Pressure Flow Transmitters	www.isa.org/dpflow	1-932095-03-9	\$225	\$250	X						
Consumer Guide to Fieldbus Network Equipment for Process Control	www.isa.org/fieldbusguide	1-932095-06-3	\$225	\$250					X		
Consumer Guide to Magnetic Flowmeters, 2nd Edition	www.isa.org/magneticflow	1-932095-04-7	\$225	\$250	X						
Consumer Guide to Non-Contact Level Gauges	www.isa.org/noncontact	1-932095-07-1	\$225	\$250	X						
Consumer Guide to Ultrasonic and Correlation Flowmeters	www.isa.org/ultrasonicflow	1-932095-05-5	\$225	\$250	X						
Consumer Guide to Vortex Shedding and Fluidic Flowmeters	www.isa.org/vortexflow	1-932095-02-0	\$225	\$250	X						
Control of Boilers, 2nd Edition	www.isa.org/boilercontrol	978-1-55617-330-1	\$76	\$86	X					X	
Control System Documentation: Applying Symbols and Identification, 2nd Edition	www.isa.org/symbolsandID	978-1-55617-896-2	\$66	\$72	X				X		
Control System Power and Grounding Better Practice	www.isa.org/grounding	0-7506-7826-7	\$40	\$40				X			
Control System Safety Evaluation and Reliability, 2nd Edition	www.isa.org/safetyevaluation	978-1-55617-636-4	\$74	\$85		X		X			
Control Systems Engineering (CSE) Study Guide, 4th Edition	www.isa.org/cseguide	978-1-55617-881-8	\$49	\$55	X						
Control Valve Primer, 3rd Edition	www.isa.org/controlvalveprimer	978-1-55617-640-1	\$74	\$86	X						
Control Valves	www.isa.org/controlvalvehandbook	978-1-55617-565-7	\$120	\$155	X						
Design and Application of Process Control Systems	www.isa.org/designpcs	978-1-55617-639-5	\$74	\$82	X						
Design and Development of Medical Electronic Instrumentation: A Practical Perspective of the Design, Construction, and Test of Medical Devices	www.isa.org/medical	0-471-67623-3	\$120	\$120	X					X	

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Dispersing Heat Through Conviction: The Funnier Side of Process Control	www.isa.org/funnyprocess	978-1-55617-688-3	\$15	\$15	X						
e-Business in Manufacturing: Putting the Internet to Work in the Industrial Enterprise	www.isa.org/ebusiness	978-1-55617-758-3	\$52	\$59		X			X		X
Electrical Instruments in Hazardous Locations, 4th Edition	www.isa.org/hazardlocations	978-1-55617-638-8	\$88	\$98	X			X			
Electronic Security for Manufacturing and Control Systems — An Overview	www.isa.org/secguide	RSECGUIDE	\$29	\$39					X		
Environmental Instrumentation and Analysis Handbook	www.isa.org/envirioninst	0-471-46354-X	\$158	\$158	X		X				
Fiber Optic Sensors: Fundamentals and Applications, 3rd Edition	www.isa.org/opticsensors	978-1-55617-714-9	\$78	\$86		X					
Fieldbuses for Process Control: Engineering, Operation, and Maintenance	www.isa.org/fieldbuses	978-1-55617-904-4	\$88	\$98	X				X	X	
Flow Measurement, 2nd Edition	www.isa.org/flowmeashandbook	978-1-55617-736-1	\$125	\$155	X						
Flow of Industrial Fluids — Theory and Equations	www.isa.org/flowfluid	0-8493-2767-9	\$80	\$87	X						
Foundation Fieldbus, 2nd Edition	www.isa.org/foundation	978-1-55617-964-8	\$43	\$49					X		
Fundamentals of Industrial Control, 2nd Edition	www.isa.org/fundamentalcontrol	978-1-55617-863-4	\$109	\$125	X	X			X		X
Fundamentals of Process Control Theory, 3rd Edition	www.isa.org/theoryfundamentals	978-1-55617-683-8	\$89	\$99	X						
Fundamentals of Process Instrumentation	www.isa.org/instfundamentals	RFUNDPAK	\$150	\$160	X						
Fundamentals of Test Measurement Instrumentation	www.isa.org/testmeasure	978-1-55617-914-3	\$79	\$89	X						
Good Tuning: A Pocket Guide, 2nd Edition	www.isa.org/tuningpocket	978-1-55617-940-2	\$43	\$49	X						
Guidelines for Analyzing and Managing the Security Vulnerabilities of Fixed Chemical Sites	www.isa.org/fixedchemical	0-8169-0877-X	\$89	\$89	X						
How to Become an Instrument Engineer, Part 1.523	www.isa.org/becomeIE	978-1-55617-520-6	\$15	\$15	X						
How to Become an Instrument Engineer: The Making of a Prima Donna	www.isa.org/primadonna	978-1-55617-884-9	\$15	\$15	X						
Human Factors Methods for Design: Making Systems Human-Centered	www.isa.org/humanfactors	0415297982	\$100	\$100							X
Ideal Enterprise: Managing by the Law of the Sphere	www.isa.org/enterprise	0-533-14185-0	\$25	\$25							X
Industrial Data, Communications, 3rd Edition	www.isa.org/datacom	978-1-55617-767-5	\$79	\$89		X			X	X	
Industrial Ethernet, 2nd Edition	www.isa.org/ethernet	978-1-55617-892-4	\$49	\$59		X			X		

Title	Online	ISBN	Member	List	Basic Continuous Control	Basic Discrete, Sequencing, and Manufacturing Control	Advanced Control	Reliability, Safety and Electrical	Integration and Software	Deployment and Maintenance	Work Structure
Industrial Flow Measurement, 3rd Edition	www.isa.org/industrialflowmeas	978-1-55617-871-9	\$82	\$92	X						
Industrial Instrumentation Technician Assessment: Review for Certification, Levels III and IV	www.isa.org/nicetllandlv	978-1-55617-388-2	\$65	\$85	X						
Industrial Instrumentation Technician Assessment: Study Guide to Certification, Level II, 2nd Edition	www.isa.org/nicetll	978-1-55617-883-2	\$65	\$85	X						
Industrial Network Security	www.isa.org/networksecurity	978-1-55617-874-0	\$54	\$59		X			X		
Industrial Pressure, Level, and Density Measurement	www.isa.org/pressureleveldensity	978-1-55617-547-3	\$84	\$90	X		X				
Information Technology for Energy Managers	www.isa.org/itenergy	0-88173-449-7	\$145	\$145						X	X
Information Technology for Manufacturing: Reducing IT Manufacturing Costs and Expanding Capabilities	www.isa.org/	1574443593	\$60	\$60							X
Instrument Engineers' Handbook, 4th Edition — Process Measurement and Analysis, Vol. 1	www.isa.org/iehv1	0849310830	\$160	\$160	X						
Instrument Engineers' Handbook, 4th Edition — Process Control and Optimization, Vol. 2	www.isa.org/iehv2	849310814	\$160	\$160	X						
Instrument Engineers' Handbook, 3rd Edition — Process Software and Digital Networks, Vol. 3	www.isa.org/iehv3	0849310822	\$150	\$150	X			X	X		
Instrumentation and Control Systems Documentation	www.isa.org/instdocument	978-1-55617-870-2	\$60	\$66	X				X		
Instrumentation for Process Measurement and Control, 3rd Edition	www.isa.org/instprocess	0849398711	\$65	\$65	X		X				
Instrumentation Reference Book, 3rd Edition	www.isa.org/instref	0750671238	\$150	\$150	X						
ISA Certified Automation Professional™ Job Analysis Study	www.isa.org/capanalysis	978-1-55617-903-7	\$0	\$150	X						X
ISA Certified Industrial Maintenance Mechanic™ Job Analysis Study	www.isa.org/cimmanalysis	978-1-55617-925-9	\$150	\$95	X					X	X
ISA Handbook of Measurement Equations and Tables, 2nd Edition	www.isa.org/measurehandbook	978-1-55617-946-4	\$88	\$99	X	X	X				
The Life and Times of an Automation Professional — An Illustrated Guide	www.isa.org/autolife	978-1-55617-957-0	\$20	\$20	X	X					X
Logical Thoughts at 4:00 A.M.	www.isa.org/logicalthoughts	978-1-55617-332-5	\$15	\$15	X						
Loop Checking: A Technician's Guide	www.isa.org/loopcheck	978-1-55617-910-5	\$46	\$52	X	X				X	

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Measurement and Control Basics, 3rd Edition	www.isa.org/mandcbasics	978-1-55617-764-4	\$79	\$89	X	X					
Measurement Uncertainty, 3rd Edition	www.isa.org/measuncertainty	978-1-55617-795-8	\$52	\$66	X		X	X			
Mechatronics: An Integrated Approach	www.isa.org/mechatronics	849312744	\$120	\$120	X	X	X				
The Mechatronics Handbook: The Fusion of Mechanics, Electronics, and Information Technology	www.isa.org/mechatronicshandbook	0-8493-0066-5	\$130	\$130	X	X	X				
Model-Based Predictive Control: A Practical Approach	www.isa.org/predictivecontrol	0849312914	\$90	\$90	X		X				
Models Unleashed: Virtual Plant and Model Predictive Control Applications	www.isa.org/modelsunleashed	978-1-55617-857-3	\$45	\$49	X		X				X
Motors & Drives: A Practical Technology Guide	www.isa.org/motorsanddrives	978-1-55617-800-9	\$76	\$85		X					
Motors & Drives: A Practical Technology Guide — Instructional Supplement	www.isa.org/manddguide	RMDGUIDE	\$59	\$69		X					
NACE Corrosion Engineer's Reference Book, 3rd Edition	www.isa.org/corrosion	1-57590-127-7	\$99	\$99	X			X			
Out of the Barn	www.isa.org/barn	978-1-55617-822-1	\$20	\$25		X					X
PID Controllers: Theory, Design, and Tuning, 2nd Edition	www.isa.org/pidcontrollers	978-1-55617-516-9	\$78	\$86	X		X				
Pinto's Points: How to Win in the Automation Business	www.isa.org/pintopoints	978-1-55617-953-2	\$28	\$30							X
Practical Controls: A Guide to Mechanical Systems	www.isa.org/mechsystems	0-88173-447-0	\$120	\$120	X					X	
Practical Data Acquisition for Instrumentation for Control Systems	www.isa.org/dataacquisition	0-7506-5796-0	\$50	\$50					X		
Practical Project Management: Learning to Manage the Professional	www.isa.org/projectmanage	978-1-55617-735-4	\$53	\$59							X
Practical Thermocouple Thermometry	www.isa.org/thermometry	978-1-55617-644-9	\$54	\$65	X						
Preventive Maintenance, 3rd Edition	www.isa.org/preventivemaintenance	978-1-55617-875-7	\$68	\$75						X	
Process Analyzer Sample-Conditioning System Technology	www.isa.org/processanalysis	0-471-29364-4	\$150	\$150	X		X				
Process Control: A Primer for the Nonspecialist and the Newcomer, 2nd Edition	www.isa.org/controlprimer	978-1-55617-633-3	\$39	\$45	X						
Profibus: A Pocket Guide	www.isa.org/profibuspocket	978-1-55617-862-7	\$41	\$46					X		
Programmable Controllers, 4th Edition	www.isa.org/PLC	978-1-55617-899-3	\$89	\$97	X	X					
Reading a P&ID	www.isa.org/readpandid	RPIDWBOOK	\$55	\$65	X		X				

Title	Online	ISBN	Member	List	Basic Continuous Control	Basic Discrete, Sequencing, and Manufacturing Control	Advanced Control	Reliability, Safety and Electrical	Integration and Software	Deployment and Maintenance	Work Structure
Safety Equipment Reliability Handbook, 2nd Edition	www.isa.org/safetyreliability	0-9727234-1-1	\$695	\$695			X				
Safety Instrumented Systems: Design, Analysis, and Justification, 2nd Edition	www.isa.org/sisdesign	978-1-55617-956-3	\$79	\$89		X		X			
Safety Instrumented Systems Verification — Practical Probabilistic Calculations	www.isa.org/sisverify	978-1-55617-909-9	\$89	\$95				X			
Safety Integrity Level Selection — Systematic Methods Including Layer of Protection Analysis	www.isa.org/safetyintegrity	978-1-55617-777-4	\$72	\$85				X			
SCADA: Supervisory Control and Data Acquisition, 3rd Edition	www.isa.org/scada	978-1-55617-877-1	\$69	\$79		X			X		
Sell More Through Effective Technical Presentations: A Pocket Guide	www.isa.org/sellmore	978-1-55617-839-9	\$23	\$25							X
Sensor Performance and Reliability	www.isa.org/senseandmeasure	978-1-55617-897-9	\$79	\$85	X	X				X	
Sensor Selection Guide: Optimizing Manufacturing and Processes	www.isa.org/sensorguide	978-1-55617-987-7	\$79	\$89	X	X				X	
Sensor Technology Handbook, 2nd Edition	www.isa.org/sensorhandbook	0-7506-7729-5	\$100	\$100		X				X	
Software for Automation: Architecture, Integration, and Security	www.isa.org/autosoftware	978-1-55617-898-6	\$88	\$98	X	X			X		
Start-Up: A Technician's Guide	www.isa.org/startup	978-1-55617-677-7	\$39	\$48	X					X	
Successful Instrumentation and Control Systems Design with CD	www.isa.org/iancdesignCD	978-1-55617-844-3-CD	\$89	\$99	X				X	X	X
Troubleshooting: A Technician's Guide, 2nd Edition	www.isa.org/troubleshoot	978-1-55617-963-1	\$59	\$69						X	
Tuning of Industrial Control Systems, 2nd Edition	www.isa.org/tuningsystems	978-1-55617-713-2	\$79	\$89	X	X				X	
Understanding Distributed Processor Systems for Control	www.isa.org/distributedcontrol	978-1-55617-645-6	\$88	\$98	X	X					
Variable Speed Drives: Principles and Applications for Energy Cost Savings, 3rd Edition	www.isa.org/vsd	978-1-55617-859-7	\$59	\$65	X	X	X				
Wireless Networks for Industrial Automation, 2nd Edition	www.isa.org/wirelessnetworks	978-1-55617-945-7	\$43	\$49	X	X			X		

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