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**For Immediate Release**

## **New Book from CRC Press Highlights Frontiers of Research in Flowmeter Technologies**

Wakefield, Massachusetts; January 3, 2023 — The first book of a new two-volume set on flowmeter technology by Dr. Jesse Yoder is now available from CRC Press. The set, *Advances in Flowmeter Technology*, discusses the history, operating principles, growth factors, representative companies, and frontiers of research for all 10 types of flowmeters. The first volume, *New-Technology Flowmeters*, released on September 6, 2022, was followed by the second volume, *Conventional Flowmeters* on December 15.

The main purpose of *New-Technology Flowmeters* is to provide an easy-to-understand yet in-depth look at the five types of flowmeters in the fast-growing new-technology segment: Coriolis, magnetic, ultrasonic, vortex, and thermal. Topics include how these meters work, the major suppliers, typical applications, and the advantages of each type of meter. It also looks at technological advances and the frontiers of research for each meter type, including:

- Larger line sizes in Coriolis meters in the last decade, from 6 inches to 16 inches
- Improvements in Coriolis straight tube meters
- Introduction and increasing popularity of two-wire magmeters
- Battery-operated and wireless magmeters
- Rapid growth in multipath ultrasonic meters for custody transfer of natural gas

- Increasing popularity of multivariable and dual-meter vortex meters
- Enhanced accuracy, reliability, redundancy, cost, materials, and use of communication protocols

The book is designed to serve as a basic resource for the general public as well as for professionals who are involved with flow measurement and want to deepen their knowledge: end users who are considering buying flowmeters, product managers who understand a particular flowmeter but want to learn about other flowmeter technologies, or employees new to the technology, for example.

“Flow is all around us, whether we’re talking about air, water, traffic, or gasoline, yet people take it for granted,” believes Yoder. “Flowmeters are everywhere, measuring liquids and gases out at sea on oil rigs, in factories, and even in apartment complexes. This book addresses the many different types of flowmeters. It gives their history, current developments, and areas for future research. I hope this book will help people appreciate the fascinating world of flowmeters and flow measurement just a little bit more.”

*New-Technology Flowmeters* is available on [Amazon](#), [Barnes & Noble](#), and other online sites.

### **About Jesse Yoder**

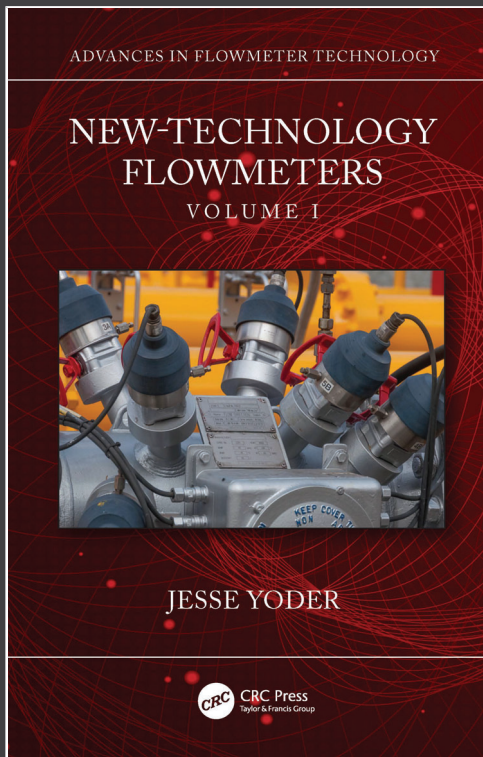
Jesse Yoder, Ph.D. is president of Flow Research, Inc., a company he founded in 1998 in Wakefield, MA. He has 36 years of experience as an analyst and writer in process control. He has authored more than 280 market research studies in industrial automation and process control and has written more than 300 published journal articles on instrumentation topics. Dr. Yoder has become a world-renowned authority and expert in the area of flow measurement and market research. As an entrepreneur, author, consultant, and inventor, he has helped define the concepts used in flow measurement, and is widely respected as an innovator in this field. He holds two U.S. patents for a new dual tube meter design that measures flow by placing two tubes with sensors inside a larger meter body. He is also the author of *The Tao of Measurement*, published by ISA, with Richard E. Morley as co-contributor.

### **About Flow Research**

Flow Research (<http://www.flowresearch.com>) is the only independent market research company whose primary mission is to research flowmeter and other instrumentation products and markets

worldwide. Flow Research, founded in 1998 in Wakefield, Massachusetts, specializes in flow measurement devices, and conducts market research studies in a wide variety of instrumentation areas. These studies are developed through interviews with suppliers, distributors, and end users. Topics include all of the flowmeter technologies – both new and traditional – as well as temperature sensors, temperature transmitters, level products, and pressure transmitters. The company has a special focus on the energy industries, especially on oil and gas production and measurement.

For more information, visit [www.flowresearch.com](http://www.flowresearch.com) or call +1 781 245-3200.



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## *Newly Published Book in the Field of Flowmeters*

# New-Technology Flowmeters

Volume I

**Jesse Yoder**

This book describes the origin, principle of operation, development, advantages and disadvantages, applications, and frontiers of research for new-technology flowmeters, which include Coriolis, magnetic, ultrasonic, vortex, and thermal.

Focusing on the newer, faster growing flowmeter markets, the book places them in the context of more traditional meters such as differential pressure, turbine, and positive displacement. Taking an objective look at the origins of each flowmeter type, the book discusses the early patents, for each type, and which companies deserve credit for initially commercializing each flowmeter type.

Designed for personnel involved with flowmeters and instrumentation, including product and marketing managers, strategic planners, application engineers, and distributors. It will interest readers who are curious about flow and instrumentation.

#### **About the Author:**

Jesse Yoder, Ph.D. is president of Flow Research, Inc., a company that he founded in 1998, which is located in Wakefield, MA. He has 31 years of experience as an analyst and writer in process control. He has authored more than 250 market research studies in industrial automation and process control and more than 280 published journal articles on instrumentation topics. He has published articles in Flow Control, Fluid Handling, Processing, Pipeline & Gas Journal, InTech Magazine, Control, and other instrumentation publications.

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