

Instructor



David W Spitzer has over 30 years of broad instrumentation and control experience. An ISA Life Fellow and Professional Engineer, David has written over 10 books including the seminar text Industrial Flow Measurement and other books on specific flowmeter technologies, level measurement, advanced regulatory control, and the application of variable speed drives. Mr. Spitzer's broad experience in industry includes working for United States Steel, Mobay Chemical, and Nepera Chemical before becoming an independent consultant in 1998.

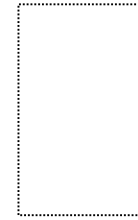
David has taught over 100 seminars since developing the flow measurement seminar for ISA in 1983. In addition, well over 100 of David's articles have been published in technical magazines --- most of which are related to flow measurement.

In addition to being the author of the seminar text, David brings a wealth of first-hand experience and knowledge to this seminar.

INDUSTRIAL

FLOW MEASUREMENT

SEMINAR



Presented by

David W Spitzer

(Author of Industrial Flow Measurement)

Sponsored by

ISA St. Louis Section

Mead O'Brien

CONTROL Magazine

Flow Control Magazine

Spitzer and Boyes, LLC provides instrumentation, electrical, and utility expertise for diagnosing process/plant problems, training, expert testimony, market research/analysis, and mergers/acquisitions

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Spitzer and Boyes, LLC
8 Perth Avenue
Chestnut Ridge, NY 10977

Industrial Flow Measurement Seminar

Description

This **OPEN-ENROLLMENT** seminar presents the principles, design and application of flow measurement systems. Fluid flow fundamentals are emphasized before discussing flow measurement accuracy, performance, technology, specification, installation and maintenance.

This seminar should prove beneficial to individuals who desire to become more productive through improvement of their flow measurement skills. Persons such as technicians, engineers, managers, sales persons, marketing persons, purchasing agents, accountants, lawyers, and others involved with flow measurement and its associated equipment.

**CLASSROOM CONSTRAINTS LIMIT
ENROLLMENT TO 20 STUDENTS**

Outline

- ◆ Physical properties
- ◆ Performance Measures
- ◆ Linearization, Compensation, Totalization
- ◆ Flowmeter Calibration
- ◆ Flowmeter Technology - Differential Pressure, Magnetic, Mass, Open Channel, Oscillatory, Positive Displacement, Target, Thermal, Turbine, Ultrasonic, Variable Area, Correlation, Insertion, Bypass
- ◆ Flowmeter Selection

Benefits

At the end of this seminar, the participant should be able to:

- ◆ Understand the effects of physical properties and hydraulics on flow measurement systems
- ◆ Evaluate flowmeter performance statements
- ◆ Describe the operation of different flowmeter technologies
- ◆ Understand flowmeter calibration techniques
- ◆ Perform gas flow compensation calculations
- ◆ Select and specify the components in flow measurement systems
- ◆ Understand the principles of flowmeter installation
- ◆ Understand maintenance and calibration requirements for different flowmeter technologies

You can use the pre-instructional survey to help assess your current level of understanding of the seminar material at:

www.spitzerandboyes.com/Download/FlowMeasurementSeminar-Survey.pdf

Details

Dates: September 22-24, 2009 (3 days)

Time: 8:00 am – 4:00 pm

Location: Mead O'Brien
10800 Midwest Industrial Blvd
St. Louis, MO 63132

Price: US\$ 995 (prior to 31 July 2009)
US\$ 1195 (after 1 August 2009)

Discount: 10% for groups of 4 or more

Terms: Payable at registration with credit cards processed three weeks prior to seminar

Refunds: 90% refund when written cancellation is made at least 10 working days prior to the first day of the seminar.

ENROLL NOW

WE EXPECT TO SELL OUT QUICKLY

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