

SIEMENS

Siemens Process Instrumentation Training

Process Instrumentation



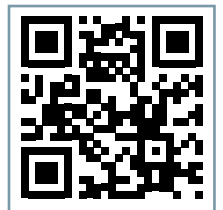
Get the most out of your investment with process instrumentation training – Siemens offers a complete line of instrumentation training. Just pick the course that fits your needs.

Siemens Process Instrumentation courses cover a wide array of topics, including pressure, temperature, level, valve positioners, loop controllers, flow, clamp-on flow, weighing and industrial communications. Comprehensive introductory and advanced courses are offered several times a year, so participants can pick the class that works with their schedule.

Introductory courses are designed to teach the process applications, technologies, specific product lines, and the basic instrument operation. They also serve as prerequisites for the advanced technology courses which provide in-depth application and hands-on training.

The courses are led by field-proven and experienced instructors who combine extensive application and instrumentation knowledge with seasoned training experience in a hands-on environment. Our PI (Process Instrumentation) courses are specifically designed to maximize your learning experience. Each center is fully equipped with a full range of Siemens Process Instruments and complete industrial communications.

To access training information, go to [siemens.inigma.mobi](https://www.siemens.inigma.mobi) on your smart phone, download the code reader, snap a picture and experience.



[usa.siemens.com/pi](https://www.usa.siemens.com/pi)

Training methodology

Our courses link the classroom to the real world by utilizing the latest hardware and software and proven educational experiences. Each course includes the following learning techniques:

- Tutorial: Instructors provide background information critical to understanding the instruments.
- Demonstration: Instructors demonstrate equipment displays and cover the theory of operation and applications for each technology
- Hands-on: Students spend 30-50% of class time operating the equipment and learning how to effectively operate the products.
- Class size: Class size is limited in order to maximize personal attention and interaction between instructor and participants.

Continuing education units

All US training courses are approved for Continuing Education Units (CEUs). For information on earning CEUs through Siemens training, visit usa.siemens.com/sitrain or click below.

Siemens now offers Continuing Education Credits (CEUs).



Training locations

With five North American learning centers focused on instrumentation training, you can pick a location near you. Our newest learning center is located in Houston, TX. Other locations

include Arlington, TX, Spring House, PA, Hauppauge, NY and Peterborough, ON, Canada.

If you aren't near any of the listed locations you can call and schedule for on-site classes through our mobile training platform.

Course enrollment and fee

These classes are designed for end users and engineering or contracting firms acting on behalf of an end user of Siemens Process Instrumentation products. The fee covers course tuition and all course materials. Siemens will provide beverages, lunches and light snacks during the day. There will be one Siemens sponsored dinner during the training. We highly encourage registration at least six weeks before the course. Students are responsible for their own travel, living arrangements and expenses. In addition to your purchase order, we accept VISA, American Express and MasterCard.

Cancellations

There will be no charge for cancellations received at least 10 working days prior to the start of the course. Cancellations received within 10 working days before the start of the course are subject to a 20% per person cancellation fee. Students who do not cancel and do not attend the course are subject to a full tuition fee. Siemens reserves the right to cancel a course for any reason. Full credit for the course will be applied to the next available course or the full registration fee refunded at the option of the registrant.

If you have any questions, please email them to piatraining.industry@siemens.com, or call 1-800-365-8766, Prompt 7.



Introductory courses

PIA-PRT1C1A Level Technology (Peterborough: PI T-1)

This course teaches participants the principles of solids and liquid level measurement using ultrasonics, radar, capacitance and mechanical level technologies. 2.8 CEU credits. Duration: 4 days

PI T-2 Weighing and Feeding

This course explains the theory and principles of weighing and feeding technology using SIWAREX and belt scales, weighfeeders, solids flowmeters and integrators. Duration: 4 days

PIA-PRT3C1A Flow Technology (Peterborough: PI T-3)

Using hands-on tutorials and theory sessions, this course gives participants a comprehensive overview of several flow measurement technologies using coriolis mass flow, electro-magnetic volume flow, Vortex flow measurement and ultrasonic flow technologies. 2.1 CEU credits. Duration: 3 days

PI T-6 Essential HART Communications

Do you experience problems when using SIMATIC PDM or PACTware to communicate with HART instruments? Then this is the course for you. Employing hands-on tutorials and theory sessions, this course provides students an overview of HART, SIMATIC PDM and PACTware. A brief introduction to WirelessHART is also included. Duration: 3 days

PIA-PRT5C1A Field Instrumentation (Peterborough: PI T-5)

Combining hands-on tutorials with theory sessions, this course teaches participants the principles of pressure and temperature measurement and electropneumatic positioning. 2.1 CEU credits. Duration: 3 days

PIA-PRFUEC1A Clamp-On Ultrasonic Liquid and Thermal Energy Measurement

Combining hands-on tutorials with theory sessions, this introductory course teaches participants the configuration details of the products in the Standard and Thermal Energy product line. Additionally, the course covers many of the applications for the products, as well as installation and troubleshooting. 2.1 CEU credits. Duration: 3 days

Advanced courses

PI A-1 Advanced Ultrasonics

Building on the ultrasonics skills obtained from our introductory level course, this course teaches participants advanced ultrasonic applications including installation, troubleshooting and programming. In addition to theory, participants are able to simulate real-life applications and troubleshoot in our hands-on classroom, working with the actual ultrasonics instruments used in the field. Duration: 3 days
Prerequisite: Level Technology (PIA-PRT1C1A or PI T-1)

PI A-2 Advanced Radar

Applying the knowledge from the introductory level course, students learn advanced installation, programming and troubleshooting skills. Using a combination of theory and hands-on labs, students have the opportunity to work with the complete radar instrumentation lineup. Participants learn how to assess and solve issues, and how to specify custom installations. Duration: 4 days
Prerequisite: Level Technology (PIA-PRT1C1A or PI T-1)

PI A-5 Advanced Weighing and Feeding

Blending theory and hands-on labs using the complete weighing and feeding product line up, participants enhance their skills from the introductory weighing course. Students learn how to assess and solve advanced issues, and how to specify custom installations. Duration: 4 days
Prerequisite: Weighing and Feeding (PI T-2)

PIA-PRFUGC1A Clamp-On Ultrasonic Gas Flow Measurement

Combining hands-on tutorials with theory sessions, this course teaches participants the configuration and application details of the SITRANS FUG1010 product line as it relates to the gas industry. This course is an advanced course with focus on the FUG1010 product. Additionally, the course covers many of the applications for the products, as well as installation and troubleshooting. 2.1 CEU credits. Duration: 3 days

PIA-PRFUHC1A Clamp-On Ultrasonic Hydrocarbon Flow Measurement

Combining hands-on tutorials with theory sessions, this course teaches participants the configuration and application details of the SITRANS FUH1010 product line as it relates to the hydrocarbon liquid industry. This course is an advanced class concentrated on the FUH1010 product designs including; standard volume, precision volume and interface detection. The course will focus on detailed application review, liquid table configuration and optimization, installation and troubleshooting of the FUH1010 products. 2.1 CEU credits. Duration: 3 days

PI A-6 PROFIBUS PA Design & Troubleshooting

Design your own network, practice installation methods, and apply advanced troubleshooting tools. With a mixture of hands-on labs and written assignments, this advanced course focuses on design, installation, and network troubleshooting. Upon completion students are able to successfully complete a PROFIBUS PA project. Duration: 3 days
Prerequisite: Industrial Communications (PI T-4)

PIA-PROGGC1A Midstream – Gas

This course will provide students with knowledge required to specify, apply, and install Siemens process instruments utilized in midstream Gas applications. The course will review the processes and challenges faced in midstream applications and the solutions Siemens process instrumentation provide to meet these challenges. Subjects include basic theory of operation, detailed application review, installation and commissioning considerations for Siemens flow, level, pressure, temperature, and valve positioner technologies. The training will be reinforced with comprehensive hands-on lab exercises on all products. Duration: 3 days

PIA-PROGLC1A Midstream – Liquid

This course will provide students with knowledge required to specify, apply, and install Siemens process instruments utilized in midstream Liquid applications. The course will review the processes and challenges faced in midstream applications and the solutions Siemens process instrumentation provide to meet these challenges. Subjects include basic theory of operation, detailed application review, installation and commissioning considerations for Siemens flow, level, pressure, temperature, and valve positioner technologies. The training will be reinforced with comprehensive hands-on lab exercises on all products. Duration: 3 days

PIA-PRWATC1A Water Course

This course will provide students with technical knowledge required to specify, apply, install, and maintain process instruments utilized in both drinking water and waste water applications. It will cover basic theory of operation, applications, installation and commissioning considerations of flow, level, pressure, and temperature technologies. This course is highly interactive and includes technical, hands on lab exercises. Duration: 3 days

PIA-PROGUC1A O&G Upstream Course

This course will provide students with technical knowledge required to specify, apply, and install process instruments utilized in upstream Oil & Gas applications. This course will cover basic theory of operation, applications, and installation and commissioning considerations of flow, level, pressure, temperature, and valve positioner technologies. This course is interactive and will be conducted by industry experts. Duration: 3 days

Comprehensive Instrumentation Portfolio

Siemens offers a comprehensive range of process instrumentation for pressure, temperature, flow and level measurement. Pneumatic valve positioners, process recorders, and process protection devices – in addition to weighing technology – complete the package. Whether you need a single transmitter or a complete instrumentation package, Siemens has the technical expertise for your project.

Service and Support: your partner for success

Siemens backs up every instrument with top-of-the-line service and support, including:

- 24/7 technical support
- Field Service personnel with years of experience.
- A Quick Ship program for fast replacement of instruments
- State-of-the-art training facilities and CEU credits

Registration:

For the most up-to-date training schedule and registration, please visit our web page: www.usa.siemens.com/pitraining

Canadian Courses: www.sitrain.ca

PI A-6 Course: www.us.profibus.com

Click on the certified training link

More information:

usa.siemens.com/pi
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