



2008

Training Course Catalog

Density Meters for Gas & Liquid

Flow Computers for Gas & Liquid

Liquid Flowmeters

Nuclear Level & Density Meters

Process Analyzers



2008 Training Course Catalog

Hands-On Instruction for Every Skill Level

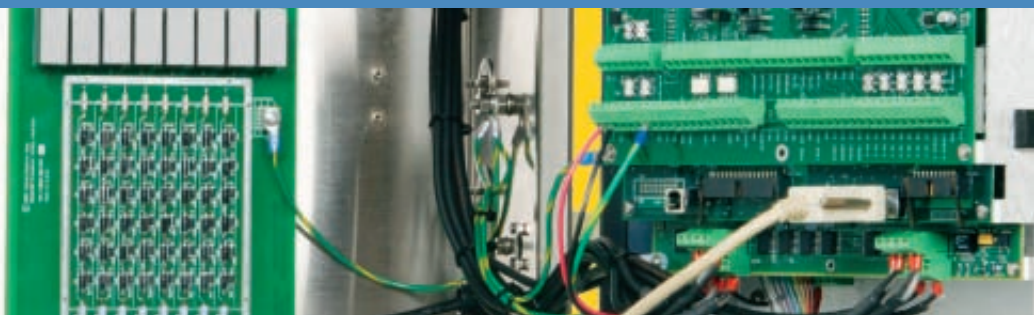
Achieving maximum return on your Thermo Scientific instrument requires a thorough understanding of its operation, calibration and maintenance. To expand operator skills and escalate productivity, we offer a series of comprehensive training programs. Participants have the option of hands-on instruction at your plant or a multi-day training session at a Thermo Fisher Scientific site. From basic to advanced, we teach users at every skill level how to operate, maintain and troubleshoot instruments with confidence.

- All registration fees include course materials and lunch.
- The training classes are held in either Sugar Land, Texas or Winsford, England. Classes that are only held at our Winsford site are designated as U.K. only.
- If you don't see the class you need, please contact our training staff for more information. We strive to always provide outstanding support to our valued customers.

“The classes and material were top-of-the-line.”

“I will refer a lot of my co-workers to this class. A job well done!”

“My instructor was extremely helpful and knowledgeable.”



World-Class Service & Support

Our service and support options are designed to ensure instrument optimization and reduce downtime. Because every customer and every instrument have different requirements, we offer a variety of services to meet your unique needs, including:

- Service agreements
- Spare parts
- Technical support
- Depot repair
- Field installation and service
- Nuclear disposals.

For more information on our product support and service capabilities, please contact us at service.ps.houston@thermofisher.com



2008 Training Course Catalog

Thermo Scientific Gas & Liquid Flow Measurement

Students are expected to be proficient in Microsoft® Windows® and will be provided a gas flow computer (if applicable) and laptop for class use.

Sugar Land, Texas

January 22-24, 2008

April 15-17, 2008

July 22-24, 2008

November 4-6, 2008

Sugar Land, Texas

January 29-30, 2008

May 14-15, 2008

August 5-6, 2008

November 19-20, 2008

Sugar Land, Texas

April 24, 2008

September 3, 2008

Sugar Land, Texas

March 4-5, 2008

July 15-16, 2008

October 8-9, 2008

Sugar Land, Texas

February 26-27, 2008

June 4-5, 2008

Comprehensive Gas Flow Computer Training for the Thermo Scientific AutoPILOT®, AutoMATE® and AutoMITTER®

Three day session — 4 student minimum/12 student maximum \$1,390.00 per student

Prerequisites: Windows proficiency

Learn how to optimize your Thermo Scientific gas flow technology by participating in this comprehensive course. Theory of operation, hardware, Thermo Scientific AutoCONFIG software, communication devices, PLC logic and control, and basic maintenance and troubleshooting are covered.

Thermo Scientific AutoEXEC® Training

Two day session—4 student minimum/12 student maximum \$930.00 per student

Prerequisites: Windows proficiency

Gain invaluable user insight to get the most from our powerful natural gas and petroleum liquids flow computer. Theory of operation, hardware, hardware installation procedures, compatible metering devices and the Windows version of Thermo Scientific AutoCONFIG as well as basic maintenance and troubleshooting are covered.

Thermo Scientific AutoCONFIG Software Training (Windows)

One day session—4 student minimum/12 student maximum \$470.00 per student

Prerequisites: Thorough understanding of flow computer hardware

This fast-paced, hands-on class is for Thermo Scientific gas flow computer users who need instruction on the Windows version of AutoCONFIG. Installation procedures, simple and advanced configuration steps, run switching procedures, PID setup and loop control, peripheral device interfacing, calibration procedures, alarm and plate change procedures, and proper use of USB to serial converters are covered.

Thermo Scientific AutoSCAN Training

Two day session—4 student minimum/12 student maximum \$930.00 per student

Prerequisites: AutoCONFIG proficiency and thorough understanding of flow computer hardware

This hands-on course for Thermo Scientific AutoSCAN SCADA software covers Poller setup for system, driver and unit scan parameters, backdoor protocol, scanning procedures, AutoEXPORT, Vox installation, alarm operation and call-in functions.

Thermo Scientific BenchMark Training

Two day session—4 student minimum/8 student maximum \$900.00 per student

Prerequisites: Windows proficiency

Operate and maintain the Thermo Scientific BenchMark by learning product application and theory of operation, hardware installation, software, maintenance and troubleshooting.

Additional Courses Available:

- Thermo Scientific Plunger Lift Training



2008 Training Course Catalog

Thermo Scientific Analyzers

Sugar Land, Texas

January 29-30, 2008
February 12-13, 2008
March 26-27, 2008
April 22-23, 2008
August 6-7, 2008
September 15-16, 2008
October 15-16, 2008
December 16-17, 2008

Winsford, UK

March 6-8, 2008
September 23-25, 2008

Sugar Land, Texas

May 19-23, 2008
October 20-24, 2008

Winsford, UK

February 18-22, 2008
May 12-16, 2008
September 8-12, 2008
November 17-21, 2008

Sugar Land, Texas

March 11-12, 2008
September 3-4, 2008

Winsford, UK

July 15-16, 2008
November 4-5, 2008

Sugar Land, Texas

April 8-9, 2008
October 8-9, 2008

Winsford, UK

May 19-23, 2008
October 13-17, 2008

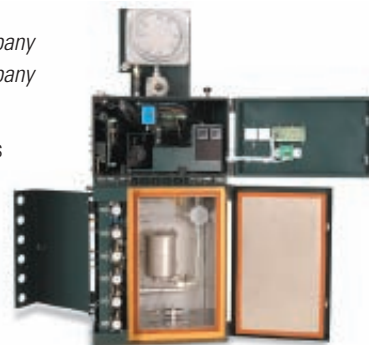
Winsford, UK

March 11-13, 2008
October 7-9, 2008

Introductory Total Sulfur Analyzer Training for the Thermo Scientific SOLA II

*Two day session—4 student minimum/8 student maximum
\$2,580.00 per student / \$780.00 per add'l student from same company
£1,650.00 per student / £780.00 per add'l student from same company*

Intended to help students acquire the skills to effectively operate the Thermo Scientific SOLA II, this course covers the fundamentals of application, electronics, operating procedures, diagnostics, software, basic maintenance and troubleshooting.



Introduction to the Thermo Scientific Prima δ B and Thermo Scientific Sentinel δ B

*Five day session—3 student minimum/6 student maximum
\$5,050.00 per student / \$3,040.00 per add'l student from same company
£2,800.00 per student / £1,300.00 per add'l student from same company*

This course gives students a basic understanding of these advanced Thermo Scientific analyzers, including product fundamentals, electronics, operating procedures, diagnostics, configuration, calibration, basic maintenance and troubleshooting. The course held in Sugar Land is for the Prima δ B only.

Fundamentals of Thermo Scientific GasWorks Software

*One and a half day session—2 student minimum/8 student maximum
\$2,455.00 per student / \$1,635.00 per add'l student from same company
£1,150.00 per student / £550.00 per add'l student from same company*

This hands-on course teaches students how to configure, operate, maintain and control the Thermo Scientific Prima δ B, Sentinel δ B and/or ProLab using GasWorks software.

Operator Training for the Thermo Scientific Flo-Cal

One and a half day session—3 student minimum/6 student maximum \$1,550.00 per student

Designed for Thermo Scientific Flo-Cal operators, this course covers application, theory of operation, hardware, configuration and calibration.

Operator/Maintenance Training for the Thermo Scientific APIX δ Q (U.K. only)

*Five day session—3 student minimum/6 student maximum
£2,800.00 per student / £1,300.00 per add'l student from same company*

This training class simplifies operation of the Thermo Scientific APIX δ Q by teaching operating procedures, electronics, software, configuration/calibration steps, and the proper procedures to keep the analyzer up and running.

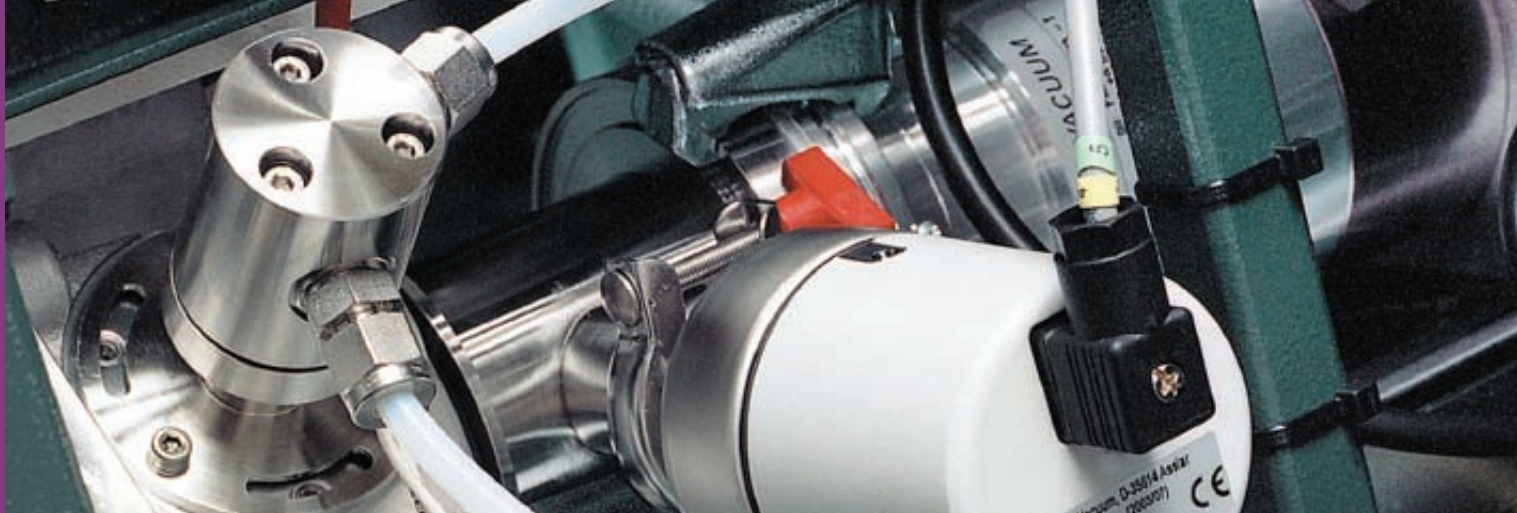
Introduction to the Thermo Scientific ProLab (U.K. only)

*Five day session—3 student minimum/6 student maximum
£1,400.00 per student / £700.00 per add'l student from same company*

Learn how to utilize the Thermo Scientific ProLab, our revolutionary gas analysis system. Installation procedures, safe start-up and shut down procedures, operation, configuration, diagnostics, maintenance and troubleshooting are covered.

Additional Courses Available:

- Advanced Total Sulfur Analyzer Training for the Thermo Scientific SOLA II

**Sugar Land, Texas**

March 19-20, 2008
May 21-22, 2008
October 21-22, 2008

Winsford, UK

April 9-10, 2008
December 10-11, 2008

Sugar Land, Texas

May 29, 2008
September 4, 2008

Sugar Land, Texas

May 6, 2008
September 25, 2008

Sugar Land, Texas

February 20, 2008
October 28, 2008

2008 Training Course Catalog

Thermo Scientific Flow, Level & Density Meters

Introduction to the Thermo Scientific M-PULSE®

Two day session—4 student minimum/12 student maximum \$930.00 per student

Learn the fundamentals of this advanced Thermo Scientific ultrasonic liquid measurement system. The instrument's application, hardware, hardware installation procedures, proper maintenance and various user interfaces are covered.

Introduction to the Thermo Scientific Polysonics SX40 (U.K. only)

Two day session—3 student minimum/6 student maximum

£1,150.00 per student / £550.00 per add'l student from same company

Boost your knowledge of the Thermo Scientific Polysonics SX40 flowmeter by learning the instrument's application, theory of operation, hardware setup and operation, basic maintenance and troubleshooting.

Operator Training for the Thermo Scientific LevelPRO

One day session—4 student minimum/12 student maximum \$1,240.00 per student

During this lecture and lab course, learn the Thermo Scientific LevelPRO's application, theory of operation, hardware, hardware installation procedures, configuration and calibration steps, and basic maintenance and troubleshooting procedures.

Introduction to the Thermo Scientific KRIL

One day session—4 student minimum/8 student maximum \$1,240.00 per student

Experience a comprehensive overview of the Thermo Scientific KRIL, including the gauge's application, principle of operation, hardware, hardware installation procedures, programming, maintenance and troubleshooting as well as basic radiation safety techniques.

Fundamentals of the Thermo Scientific SGDO Gauge

One day session—4 student minimum/8 student maximum \$1,240.00 per student

This hands-on lecture and lab course simplifies density measurement by teaching students basic product application, installation procedures, programming, operation, maintenance and troubleshooting.

Additional Courses Available:

- Fundamentals of Thermo Scientific Doppler Flowmeters
- Introduction to Thermo Scientific Transit Time Flowmeters
- Fundamentals of Thermo Scientific DensityPRO
- Thermo Scientific AccuWave Training

2008 Training Course Catalog

Thermo Scientific Radiation Training

Sugar Land, Texas

January 14-18, 2008

March 3-7, 2008

May 5-9, 2008

June 23-27, 2008

August 11-15, 2008

September 15-19, 2008

November 17-21, 2008

December 15-19, 2008

Sugar Land, Texas

February 5-7, 2008

October 28-30, 2008

Available at
customer request

Available at
customer request

Radiation Safety Officer Training

Five day session—6 student minimum \$2,430.00 per student

This hands-on training addresses radiation physics, biological effects of radiation exposure, radiation detection and protection, dosimetry, licensing and regulatory compliance requirements. Students also learn proper gauge installation, relocation, surveying and leak testing. After successful completion, the student will be listed as a Radiation Safety Officer on their company's radioactive material license. This course is applicable to all types of nuclear gauging devices, regardless of the manufacturer. Registration fee includes a scientific calculator and training video.

Radiation Safety Training Refresher

20 hour session—6 student minimum \$1,340.00 per student

This course is designed to update Radiation Safety Officers on recent radiation issues, including atomic physics, biological effects, radiation safety, industrial applications, and the latest transportation and regulatory requirements.

Authorized User Radiation Safety Training

One day session—6 student minimum \$1,030.00 per student

This course is an introduction to radiation safety and covers basic atomic physics, biological effects, radiation safety, industrial applications, transportation and regulatory requirements related to dose limits, transportation, etc. Gain hands-on experience by participating in a leak test sample collection and a radiation survey performance. This course is ideal for safety professionals, emergency responders and instrument technicians whose job entails a high degree of contact with nuclear gauges.

Introduction to Radiation Safety Training

Four hour session—6 student minimum \$830.00 per student

This course provides an excellent overview of radiation safety practices for all employees who work on or around nuclear gauges. It addresses concepts such as radiation terminology, time, distance, shielding and regulatory requirements.



2008 Training Course Schedule by Month

January

- 14-18 Radiation Safety Officer Training
- 22-24 AutoPILOT, AutoMATE and AutoMITTER Training
- 29-30 AutoEXEC Training
- 29-30 Introductory SOLA II Training
- 31 Transit Time Flowmeters Training

February

- 5-7 Radiation Safety Training Refresher
- 12-13 Introductory SOLA II Training
- 18-22 Prima δ B and Sentinel δ B Training (U.K.)
- 20 SGDO Training
- 26-27 BenchMark Training
- 28 Doppler Flowmeters Training

March

- 3-7 Radiation Safety Officer Training
- 4-5 AutoSCAN Training
- 6-8 Introductory SOLA II Training (U.K.)
- 11-12 GasWorks for the Prima δ B Training
- 11-13 ProLab Training (U.K.)
- 19-20 M-PULSe Training
- 26-27 Introductory SOLA II Training

April

- 1 DensityPRO+ Training
- 8-9 Flo-Cal Operator Training
- 9-10 SX40 Training (U.K.)
- 15-17 AutoPILOT, AutoMATE and AutoMITTER Training
- 22-23 Introductory SOLA II Training
- 24 AutoCONFIG Software Training

May

- 5-9 Radiation Safety Officer Training
- 6 KRIL Training
- 12-16 Prima δ B and Sentinel δ B Training (U.K.)
- 14-15 AutoEXEC Training
- 19-23 Prima δ B Training
- 19-23 APIX δ Q Training (U.K.)
- 21-22 M-PULSe Training
- 29 LevelPRO Operator Training

June

- 3-6 Advanced SOLA II Training
- 4-5 BenchMark Training
- 23-27 Radiation Safety Officer Training

July

- 8 Transit Time Flowmeters Training
- 15-16 AutoSCAN Training
- 15-16 GasWorks for the Prima δ B, Sentinel δ B and ProLab Training (U.K.)
- 17 DensityPRO Training
- 22-24 AutoPILOT, AutoMATE and AutoMITTER Training

August

- 5-6 AutoEXEC Training
- 6-7 Introductory SOLA II Training
- 11-15 Radiation Safety Officer Training
- 27 DensityPRO+ Training

September

- 3 AutoCONFIG Software Training
- 3-4 GasWorks for the Prima δ B Training
- 4 LevelPRO Operator Training
- 8-12 Prima δ B and Sentinel δ B Training (U.K.)
- 15-16 Introductory SOLA II Training
- 15-19 Radiation Safety Officer Training
- 23-25 Introductory SOLA II Training (U.K.)
- 25 KRIL Training
- 30 Doppler Flowmeters Training

October

- 7-9 ProLab Training (U.K.)
- 8-9 AutoSCAN Training
- 8-9 Flo-Cal Operator Training
- 13-17 APIX δ Q Training (U.K.)
- 15-16 Introductory SOLA II Training
- 20-24 Prima δ B Training
- 21-22 M-PULSe Training
- 28 SGDO Training
- 28-30 Radiation Safety Training Refresher

November

- 4-5 GasWorks for the Prima δ B, Sentinel δ B and ProLab Training (U.K.)
- 4-6 AutoPILOT, AutoMATE and AutoMITTER Training
- 4-7 Advanced SOLA II Training
- 17-21 Radiation Safety Officer Training
- 17-21 Prima δ B and Sentinel δ B Training (U.K.)
- 19-20 AutoEXEC Training

December

- 4 DensityPRO Training
- 10-11 SX40 Training (U.K.)
- 15-19 Radiation Safety Officer Training
- 16-17 Introductory SOLA II Training

Available at Customer Request

- Specific date requests are accepted on standard courses listed in this catalog
- All standard courses listed in this catalog can be conducted at customer's facility
- Customized training courses at customer's facility



Registration

You may register by contacting the Customer Training Manager at the phone number or e-mail address below, or by completing an online registration form through our web site.

Confirmation

Upon registration, each student will receive a confirmation packet that includes a registration acknowledgement, course agenda, hotel information and directions to the training facility.

Cancellation Policy

Thermo Fisher Scientific reserves the right to cancel any course approximately one month prior to its scheduled date due to insufficient enrollment. Thermo Fisher is not responsible for expenses incurred if a course is cancelled.

Students who cancel 10 calendar days in advance of a scheduled date will not be charged. Students who cancel less than 10 calendar days in advance of the class will be charged as if they attended.

Contact

Thermo Fisher Scientific
Process Instruments Division
Customer Training Manager
1410 Gillingham Lane
Sugar Land, Texas 77478

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+1 (713) 272-0404 direct
www.thermo.com/processtraining

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