



HACH TRAINING CATALOG 2022

Get the most from your operations with training provided by Hach.

Explore the theories behind your analytical routines, master various laboratory techniques, and let Hach's training program give you the confidence to improve your proficiency in areas relevant to your job duties, responsibilities, and your water or wastewater concerns.

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Hands-on Operation & Maintenance Classes in Loveland, CO

Click [here](#) for schedule, pricing and to register



5500sc Ammonia Monochloramine Analyzer

Description

This technical training seminar addresses the operation, maintenance, and verification of the Hach 5500sc Ammonia Monochloramine Analyzer. After attending this course, students will understand how to safely operate the analyzer, perform routine maintenance, verify readings, and perform basic troubleshooting. The session includes live demonstrations and hands-on opportunities with the analyzer.

Length

3 Hours

5500sc Silica and Phosphate Analyzer

Description

This technical training seminar addresses the operation and maintenance of the Hach 5500sc Silica & Phosphate Analyzer. After attending this course, students will understand how to safely operate the analyzer, perform routine maintenance, verify readings, and perform basic troubleshooting. The session includes live demonstrations and hands-on opportunities with the analyzer.

Length

3 Hours

BioTector B3500 TOC Analyzer Maintenance, Calibration & Troubleshoot

Description

This three-hour technical training seminar addresses routine maintenance, calibration & troubleshooting for the BioTector B3500 Total Organic Carbon analyzer. After attending this class, students will understand how to safely perform maintenance tasks, calibrate, and troubleshoot the analyzer. This training applies to all B3500 models and includes hands-on opportunities and live demonstrations.

Length

3 Hours

BioTector B3500 TOC Analyzer, Theory of TOC Measurement and Operation

Description

This three-hour technical training seminar addresses the theory of total organic carbon measurement, flow paths, and menus of the BioTector B3500 analyzer. After attending this class, students will be familiar with each phase of the TOC measurement process, be able to safely operate the analyzer, and navigate the menus with confidence. This training applies to all B3500 models and includes hands-on opportunities and live demonstrations.

Length

3 Hours

BioTector B7000 TOC Analyzer Maintenance, Calibration & Troubleshoot

Description

This technical training seminar addresses routine maintenance, calibration & troubleshooting for the BioTector B7000 Total Organic Carbon analyzer. After attending this class, students will understand how to safely perform maintenance tasks, calibrate, and troubleshoot the analyzer. This training applies to all B7000 models and includes hands-on opportunities and live demonstrations.

Length

3 Hours

BioTector B7000 TOC Analyzer, Theory of TOC Measurement & Operation

Description

This three-hour technical training seminar addresses the theory of total organic carbon measurement, flow paths, and menus of the BioTector B7000 analyzer. After attending this class, students will be familiar with each phase of the TOC measurement process, be able to safely operate the analyzer, and navigate the menus with confidence. This training applies to all B7000 models and includes hands-on opportunities and live demonstrations.

Length

3 Hours

Chloramination Lab

Description

This technical training seminar addresses the chemistry and measurements which are critical to disinfection by chloramination. After attending this class, students will be familiar with the chlorination curve and the fundamentals of colorimetric measurements, be able to make a chlorine standard, and be able to perform laboratory tests for free chlorine, total chlorine, monochloramine, nitrite, and free ammonia. Students will learn via hands-on experiences and live demonstrations.

Length

3 Hours

CL10sc Amperometric Chlorine Analyzer

Description

This technical training seminar addresses the operation and maintenance of the Hach CL10sc chlorine analyzer. After attending this class, students will be familiar with the theory of chlorine & pH measurement, be able to safely operate the analyzer, and be able to perform routine maintenance. Calibration and troubleshooting tactics will also be covered. Students will learn via hands-on experiences and live demonstrations.

Length

3 Hours

NA5600sc Sodium Analyzer

Description

This technical training seminar addresses the Hach NA5600sc sodium analyzer. After attending this class, students will be familiar with the theory of sodium measurement, be able to safely operate the analyzer, and be able to perform routine maintenance and troubleshooting actions. Students will learn via hands-on experiences and live demonstrations.

Length

3 Hours

pHD sc & SC Controllers

Description

This technical training seminar addresses the operation and maintenance of the Hach pHD sc sensor as well as the SC200/SC1000/SC4500 controllers. After attending this course, students will understand the theory of measurement, how to operate the SC-controllers, how to operate the pH sensor, and how to perform routine maintenance and basic troubleshooting.

Length

3 Hours

TU5 Series Laboratory Turbidimeters

Description

This technical training seminar addresses the Hach TU5300sc online and TU5200 benchtop turbidity analyzers. After attending this class, students will be familiar with the theory of turbidity measurement, be able to safely operate the analyzers, and be able to perform routine maintenance. Students will learn via hands-on experiences: they will perform calibrations and verifications and compare online and laboratory turbidity measurements. Troubleshooting tactics will also be covered.

Length

3 Hours

Virtual Instrument Classes

Click [here](#) for schedule, pricing and to register



5500sc Ammonia Monochloramine Analyzer

Description

This technical training seminar addresses the operation and maintenance of the Hach 5500sc ammonia monochloramine analyzer. After attending this course, students will understand the theory of measurement, how to operate the analyzer, and how to perform routine maintenance.

Length

2 Hours

5500sc Silica and Phosphate Analyzer

Description

This technical training seminar addresses the operation and maintenance of the Hach 5500sc Silica and Phosphate analyzers. After attending this course, students will understand the theory of colorimetric measurement, how to operate the instruments, how to perform routine maintenance, and basic troubleshooting.

Length

2 Hours

AN-ISE Ammonium and Nitrate Sensor

Description

This technical training seminar addresses the operation and maintenance of the Hach AN-ISE ammonium and nitrate sensor. After attending this course, students will understand the theory of measurement and basic controller functions. Students will also learn how to perform routine maintenance and matrix corrections.

Length

2 Hours

AS950 Sampler Controller

Description

The AS950 controller is the controller for the AS950 portable, refrigerated, and all-weather refrigerated samplers. This course will highlight operation, maintenance, and basic troubleshooting of the AS950 sampler. After attending this course, students will understand the methods of sample collection, how program and operate the AS950, and how to perform routine maintenance.

Length

1.5 Hours

BioTector B3500 TOC Analyzer, Maintenance

Description

This technical training seminar addresses the routine maintenance and calibration for the BioTector B3500 Total Organic Carbon analyzer. The class is a live demonstration with the B3500 analyzer and the six-month maintenance kit. Tips, tricks, and best practices for each task are included.

Length

1 Hour

BioTector B7000 TOC Analyzer, Maintenance

Description

This technical training seminar addresses the routine maintenance and calibration for the BioTector B7000 Total Organic Carbon analyzer. The class is a live demonstration with the B7000 analyzer and the six-month maintenance kit. Tips, tricks, and best practices for each task are included.

Length

1 Hour

C1100 Ozone Sensor

Description

This technical training seminar addresses the routine maintenance & calibration of the Orbisphere C1100 ozone sensor. After attending this course, students will understand how to safely maintain, calibrate, and troubleshoot the sensor. The training is delivered in a virtual environment. The class is a live demonstration with the C1100 ozone sensor and the maintenance materials.

Length

2 Hours

CL10sc Amperometric Chlorine Analyzer

Description

This technical training seminar addresses the operation and maintenance of the Hach CL10sc amperometric chlorine analyzer. After attending this course, students will understand the theory of measurement, how to operate the instrument, how to perform routine maintenance, and basic troubleshooting.

Length

2 Hours

CL17sc Chlorine Analyzer

Description

This technical training seminar addresses the operation and maintenance of the Hach CL17sc chlorine analyzer. After attending this course, students will understand the theory of measurement, how to operate the analyzer, and how to perform routine maintenance.

Length

2 Hours

DR1300 FL - ULR Chlorine Fluorometer

Description

The DR1300 FL is a handheld fluorometer that measures ultra low-range free chlorine, total chlorine, and sulfite. This course will highlight operation, maintenance, data transfer, and the basic troubleshooting functionality of the DR1300 FL meter. After attending this course, students will understand the theory of fluorescence measurement, how to operate the DR1300 FL, and how to perform routine maintenance.

Length

2 Hours

DR3900 Laboratory Spectrophotometer

Description

This course will explore the basic menu structure of the DR3900 as well as dive into many of the more advanced features. After going over the pre-programmed methods of the instrument, we will look at customer user programs, advanced traceability with RFID technology, lot-specific calibration, data transfer to a PC, and more.

Length

2 Hours

HQ Series Portable Meters

Description

The new HQ Series meters from Hach have improved functionality and performance – robustness, calibration and data management, and include a wide range of models offering 1, 2, and 3 inputs. This course will highlight operation, maintenance, data transfer, and the basic troubleshooting functionality of the HQ Series meters. The course will also include a virtual demo of select IntelliCAL probes, such as pH, DO, and conductivity.

Length

2 Hours

NA5600sc Sodium Analyzer

Description

This technical training seminar addresses the operation and routine maintenance of the NA5600sc sodium analyzer. After attending this class, students will understand the method of measurement and how to configure, calibrate, maintain, and troubleshoot the analyzer.

Length

1.5 Hours

Nitratax sc Nitrate Sensor

Description

This technical training seminar addresses the best practices for operation and maintenance of the Hach Nitratax sc Nitrate sensor. The course will cover the theory of measurement and basic controller menu navigation needed to initiate sensor functions. Students will also learn how to perform routine maintenance including instrument calibration, cleaning, validation, and sensor profile change. Nitrate laboratory analysis methods will also be discussed.

Length

2 Hours

pH in Ultra-Pure Water – 8362 sc Analyzer

Description

This technical training seminar addresses the best practices for measuring pH in ultra-pure water. After attending this course, students will understand the challenges of online pH measurement in ultra-pure water and how to safely operate, maintain, calibrate, and troubleshoot the 8362sc pH sensor.

Length

1.5 Hours

pHD sc & SC200/SC1000 - Online Analysis of pH

Description

This technical training seminar addresses the operation and maintenance of the Hach pHD sc sensor and SC200/ SC1000 controller. After attending this course, students will understand the theory of measurement, how to operate the sc-controller, how to operate the pH sensor, and how to perform routine maintenance.

Length

2 Hours

Phosphax sc Phosphate Analyzer

Description

This technical training seminar addresses the operation and maintenance of the Hach Phosphax sc phosphate Analyzer. After attending this course, students will understand the theory of measurement and basic controller menu navigation needed to initiate analyzer functions and operation. Students will also learn how to perform routine maintenance including instrument calibration, reagent and cleaning solution replacement and validation with a phosphate standard solution. Phosphate laboratory analysis methods will also be discussed.

Length

2 Hours

SC200 4-20mA Outputs and Relays

Description

In the absence of a PLC or SCADA, the SC200 can be used for process control. Whether the equipment takes a 4-20mA input or a contact closure, the sc200 can control the output. This virtual seminar will walk through the programming of both linear and PID settings to be used with variable speed pumps as well as more commonly used relay functions. This seminar will also cover wiring and testing of the outputs and relays to ensure that the programming works as expected.

Length

2 Hours

SC4500 Controller

Description

This technical training seminar addresses the operation of the Hach SC4500 controller. After attending this course, students will be able to understand the key functions of the sc4500 controller, identify the major components and understand their purpose, connect sensors and expansion modules to the controller and configure the controller and connected devices.

Length

2 Hours

TU5 Series Laboratory Turbidimeters

Description

This technical training seminar addresses the operation and maintenance of the Hach TU5 turbidity instruments: TU5200, TU5300sc, and TU5400sc. After attending this course, students will understand the theory of measurement, how to operate the instruments, and how to perform routine maintenance.

Length

2 Hours

ULR CL17sc Chlorine Analyzer

Description

This technical training seminar addresses the operation and maintenance of the Hach ULR CL17sc chlorine analyzer. After attending this course, students will understand the theory of measurement, how to operate the analyzer, and how to perform routine maintenance.

Length

2 Hours

Virtual General Water Analysis Classes

Click [here](#) for schedule, pricing, and to register



Basic Laboratory Skills

Description

This course is designed to improve the understanding of basic laboratory skills and procedures used in water and wastewater treatment plants. These skills are often applied to laboratory and sampling techniques, instrument calibration, maintenance, and troubleshooting.

Length

1.5 Hours

Chloramination - Process Control

Description

If your plant relies on a dosing ratio to control your process, such as five-parts chlorine to one-part ammonia, your water could be susceptible to several issues including nitrification. A dosing ratio is meant to be a starting point, as it doesn't account for varying pH levels, temperature, or existing ammonia. To reach optimum disinfectant levels, you need to adjust your process based on the actual levels of chlorine and ammonia in your source water. But how do you know what those levels are? In this course you'll learn how online instruments can automatically control your ammonia and chlorine feeds to maintain the correct ratio and where laboratory instruments can complement the measurements.

Length

1.5 Hours

Chloramination - The Basics

Description

Chloramination as a disinfection strategy is gaining popularity in the water treatment industry. This course will introduce the basics of chloramination including the relationship between free chlorine, total chlorine, free ammonia and chloramines. Chlorine methods with chloramine interference and without chloramine interference will be demonstrated along with free ammonia and monochloramine sequential methods.

Length

1.5 Hours

Chlorine Analysis

Description

Are you suffering from questionable chlorine results? Chlorine is the most-popular disinfectant used in drinking water and wastewater applications but measuring it comes with a unique set of challenges. This course reviews the best practices for collecting grab samples for analysis, proper techniques for measuring free and total chlorine, troubleshooting common issues, and verifying instrument accuracy using standards.

Length

2 Hours

Chlorine Process Instrument Verification

Description

This class will teach you the basics of chlorine process control. We will demo laboratory steps and techniques to make you feel confident in verifying your drinking water and wastewater chlorine process equipment including comparing it to lab and handheld instrumentation.

Length

1.5 Hours

DO Measurement in Activated Sludge

Description

Monitoring dissolved oxygen is an important part of the activated sludge process and helps to optimize energy usage through controlled air addition. Aeration accounts for between 2/3 and 3/4 of annual energy costs. Maintaining a proper level of dissolved oxygen is imperative. This 1.5 hour workshop is designed to give operators an understanding of the importance of accurate DO measurement. Proper operation and maintenance of both lab and process luminescence DO probes will be demonstrated.

Length

1.5 Hours

Lab Skills - Intro to Colorimetry

Description

Colorimetric analysis is one of the most-common methods of analysis in the water and wastewater industry. This course will introduce the theory of colorimetry, how to run a colorimetric method and the use of standards to verify instrument, method and technician performance.

Length

1.5 Hours

Lab Skills - Intro to pH

Description

pH is an important indicator of changes to water quality. pH measurements are easy to take but questions often arise regarding calibration and whether a reading is accurate. This course will cover the theory of pH, a 3-point calibration, verification and troubleshooting to determine the condition of the sensor.

Length

1.5 Hours

Lab Skills - Intro to Turbidity

Description

Solids in water can lead to poor aesthetics, reduced disinfection effectiveness and an increase in microorganisms. Turbidity is a measure of water clarity related to the amount of solids in the water. This course will include discussions on both 90 degree and 360x90 degree scatter methods of analysis, calibration/verification of turbidimeters and proper techniques to measure low level samples.

Length

1.5 Hours

Nutrients and Nutrient Analysis

Description

This class will give an overview of the importance of nutrient monitoring and removal in wastewater. Nitrogen compounds (ammonia, nitrate, total nitrogen), orthophosphate and total phosphorous will be analyzed via virtual laboratory analyses. Various demonstrations and analytical techniques using TNT plus chemistries will be used.

Length

2 Hours

QA/QC with Standard Solutions

Description

This class will teach you the basics of using standard solutions to perform QA & QC on your instruments. We will focus on dilution, the verification process, and standard additions.

Length

1.5 Hours

Suspended Solids in Wastewater

Description

Monitoring and the measurement of suspended solids is an important part of the wastewater treatment process. Accurate and reliable total suspended solids (TSS) measurement is important in meeting a facility's NPDES, DMR (discharge monitoring report) and SRT (solids retention time). This 1.5 hour workshop is designed to give operators an understanding of the importance of accurate suspended solids measurement. Proper procedure of a lab suspended solids measurement will be demonstrated. Operation and maintenance of a process TSS probe is also shown.

Length

1.5 Hours

Turbidity Process Instrument Verification

Description

This class will teach you the basics of turbidity process control. We will demonstrate laboratory steps and techniques to make you feel confident in verifying your drinking water and wastewater turbidity process equipment, including comparing it to lab and handheld instrumentation.

Length

1.5 Hours

Understanding BOD Analysis

Description

What is the glucose-glumatic acid (GGA) requirement for BOD analysis? How do I calculate the BOD seed control factor? What is the difference between C-BOD and N-BOD? These are just some of the many frequently asked questions that Water Resource Recovery Facility operators and Laboratory Chemists are required to know the answers to. This virtual seminar is designed to improve the understanding of complete Biochemical Oxygen Demand analysis.

Length

2 Hours

Volatile Acids/Alkalinity Ratio in Anaerobic Digestion

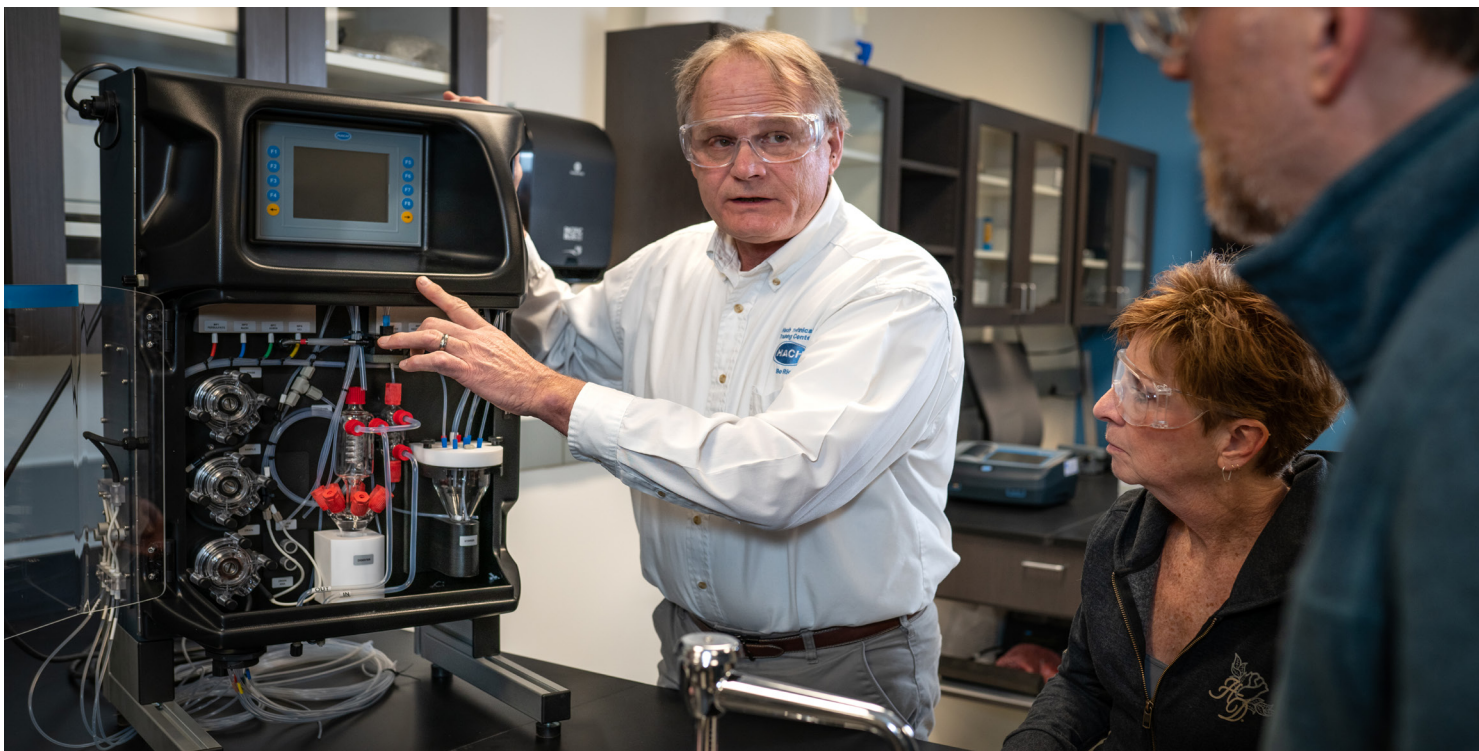
Description

An anaerobic digester that is too acidic is toxic for certain bacteria, especially for the methane-producing bacteria. Digester upsets due to the toxic conditions of low pH can be very costly and time consuming to correct. Measuring the ratio of VFA (volatile fatty acids) to TAC (total alkalinity concentration) gives the best indication of the condition of the digester. This virtual seminar is designed to help participants understand the control of anaerobic digestion using the volatile acids/alkalinity ratio.

Length

2 Hours

Customized Training



Hach offers customized training designed for your individual needs and taught at your location or at the Hach Company in Loveland, Colorado. Complete [this form](#) for pricing.

Self-Paced eLearning Courses

For pricing and to purchase, click [here](#).



PARAMETER COURSES

Introduction to Chlorine

Description

Chlorine is one of the most abundant, naturally occurring chemical elements and it plays a significant role in countless manufacturing, industrial, and municipal processes. This online course will provide:

- An overview of what chlorine is, and why it is important.
- Demonstrate where it is used
- What methods can be used to measure chlorine
- Advantages and disadvantages associated with different analysis methods

Course Code

DL-CHLORINE-PAR

Introduction to Conductivity

Description

How conductive is water? How does conductivity help us evaluate water quality? This introduction eLearning course will provide:

- What conductivity analysis measures
- Why conductivity is a critical consideration for water quality in a variety of applications
- What methods are used to measure conductivity
- Advantages and disadvantages associated with the various methods of testing

Course Code

DL-CONDUCT-PAR

PARAMETER COURSES

Introduction to Dissolved Oxygen

Description

Dissolved oxygen refers to the amount of gaseous oxygen contained in water. This course will provide:

- Which factors influence the amount of DO in water
- What is a normal concentration of DO in water
- Discuss the amount of DO in drinking water, waste water, beverage, industrial steam generation, and what the common values are
- How you can measure DO. Techniques like Winkler titration, colorimetry and electrodes are used

Course Code

DL-DO-PAR

Introduction to pH

Description

When the pH of water changes, it can have far-ranging consequences, which is why it is essential to measure and monitor pH with methods that are accurate and reliable. This course will provide:

- An overview of what pH analysis measures
- Why pH measurement is a critical consideration for water quality in a variety of applications
- An overview of various methods used to measure pH
- Advantages and disadvantages associated with various testing methods

Course Code

DL-PH-PAR

Introduction to Total Organic Carbon (TOC)

Description

Total organic carbon, or TOC is a methodology used to measure organic content in water. TOC measures the amount of carbon contained in organic compounds. This course will explain:

- What total organic carbon is
- Why it's important to measure
- Where total organic carbon is measured
- How total organic carbon is measured

Course Code

DL-TOC-PAR

Introduction to Turbidity

Description

Clear, clean water is vitally important to our public health, to ecology, and for science and industry. The measure of the relative clarity of a liquid is called "turbidity." This eLearning course will explain:

- What turbidity measures
- Why turbidity measurements are a critical consideration
- What methods are used to measure turbidity
- Advantages and disadvantages of measurement types

Course Code

DL-TURB-PAR

TECHNOLOGY COURSES

Colorimetric Technology

Description

This course will take you through what colorimetric measurement is, how colorimetric technology works, critical considerations when selecting colorimetric technologies, and common procedures and best practices when performing colorimetric analysis.

Course Code

DL-COLOR-TCH

Conductivity Technology

Description

How does conductivity work? What causes conductivity and has temperature influence on the result?

Examples include where conductivity is measured (desalination plants, raw and boiler water). The cell constant and when to use an inductive electrode are covered. Examples of the differences between contacting and inductive conductivity are also included.

Course Code

DL-CONDUCT-TCH

Turbidity Nephelometric Technology

Description

What is turbidity and what causes turbidity. Particles and particle size have an influence on turbidity and consume chlorine. Turbidity is measured in drinking water, raw water, water preparation and boiler water. This course explains different methods and how to measure turbidity. These methods are:

- Secchi disk
- Transparency tube
- Photometer
- Nephelometry and ratio technology

Course Code

DL-TURB-TCH

pH Technology

Description

This course will show you how a pH meter works together with a pH electrode, tricks and hints to do a pH calibration, where to pay attention to when you are using the pH buffers, what is automated temperature compensation for a pH calibration, and what to do when you have a drifting pH electrode, or a bad pH calibration slope which is not optimum.

Course Code

DL-PH-TCH

TECHNOLOGY COURSES

Measuring TOC

Description

In this learning you will find the differences between used techniques to measure TOC.

- Heat and Acid
- High temperature furnace Oxidation
- UV, Acid, and persulfate Oxidation
- Two stage advanced Oxidation

Course Code

DL-TOC-TCH

PRODUCT COURSES

2100Q Portable Turbidimeter

Description

This course will take you through what turbidity is, the 2100Q functions, components, configuration, operation, maintenance, and troubleshooting.

Course Code

DL-2100Q-PRO

Amtax sc Ammonium Analyzer

Description

This course is designed for new and existing users of the Amtax sc Ammonium Analyzer. It includes technical data, theory of operation, installation, maintenance and troubleshooting.

Course Code

DL-AMTAXSC-PRO

AN-ISE sc Ammonium and Nitrate Probe

Description

This course is designed for new users and owners of the AN-ISE sc Ammonium and Nitrate probe and provides an opportunity to explore:

- Areas of application and acceptable probe locations in process
- Functions: Theory of operation and components of the probe
- Operation: Configure the probe and perform a matrix correction
- Maintenance: Cleaning and sensor cartridge replacement
- Troubleshooting common errors and other recommendations

Course Code

PRODUCT COURSES

LDO 2 sc DO Probe

Description

This course is designed for new users and owners of the LDO model 2 luminescent DO probe and provides an opportunity to explore:

- Properties of dissolved oxygen
- Functions: Theory of operation and components of the probe
- Operation: Calibration and configure the probe
- Maintenance: Cleaning and sensor cap replacement
- Troubleshooting common errors and other recommendations

Course Code

Phosphax sc Phosphate Analyzer

Description

This high-level course is specifically designed for new operators and owners of the Phosphax sc Phosphate Analyzer, and will focus on the following:

- Phosphax sc technical data
- Theory of operation
- Components
- Setup
- Maintenance and Troubleshooting
- Summary and Final Challenge

Course Code

DL-PHOSPHAX-PRO

BioTector B3500 Process TOC Analyzer

Description

The goal of this e-learning is to train new users on the BioTector B3500 Total Organic Carbon analyzer. The course covers installation and operation of the analyzer. The learning is based on the B3500 user manual, performing

- Your first analysis
- Calibration, verification, maintenance, troubleshooting

Course Code

DL-B3500-PRO

BioTector B7000 Process TOC/TN/TP Analyzer

Description

The goal of this e-learning is to train new users on the BioTector B7000 Total Organic Carbon/ Total Nitrogen/Total Phosphorus analyzer. The course covers installation, operation and basic maintenance of the instrument and includes:

- Your first analysis
- Calibration, maintenance, troubleshooting

Course Code

DL-B7000-PRO

PRODUCT COURSES

Introduction to the CL17sc Analyzer

Description

Built on a legacy of reliability in online chlorine analysis, the advanced design of the CL17sc Colorimetric Chlorine Analyzer reduces routine maintenance touch time and provides powerful diagnostic features and enhanced connectivity. This self-directed eLearning will help associates understand:

- Identify key components and installation steps
- How to configure the analyzer for testing
- How to operate the analyzer
- How to go through the regular maintenance steps
- How to handle key troubleshooting scenarios

Course Code

DL-CL17SC-PRO

Testing Chlorine with the DR300

Description

This course introduces new users to the DR300 and providing step-by-step instructions on Chlorine analysis with the DR300 (both High Range and Low Range). The testing chlorine with the DR300 course will provide:

- Step-by-step basic operation
- Chlorine testing process
- Testing best practices
- Basic maintenance and troubleshooting

Course Code

DL-DR300-PRO

DR900 Multiparameter Colorimeter

Description

This course is designed for new users and owners of the DR900 Multiparameter Colorimeter from Hach. In this eLearning you will have an introduction to the DR900 Colorimeter and opportunity to explore: Meter overview, Menu options and Setup, Common procedure and best practices for maintenance and troubleshooting.

Course Code

DL-DR900-PRO

DR3900 Laboratory Spectrophotometer

Description

This course is designed for new users and owners of the DR3900 Spectrophotometer from Hach. In this eLearning you will have an introduction to the DR3900 Spectrophotometer and the opportunity to explore:

- Instrument overview
- Theory of operation
- Performing a measurement
- Menu options and Setup
- Common procedures and best practices for maintenance and troubleshooting

Course Code

DL-DR3900-PRO

PRODUCT COURSES

HQ Series Portable Meters

Description

This course is designed for individuals seeking basic information on the HQ Series handheld meters. Eight different HQ Series models are examined, focusing on what probes are compatible with the meters, basic setup and operation, and data transfer.

- Identify the main components of the HQ Series meters
- Understand the feature differences of the various HQ Series meters
- Understand what the HQ Series meters are designed for, and what probes they work with
- Be able to operate the HQ series meters with basic understanding of the menu structure, probe connection, and data transfer

Course Code

DL-HQ-PRO

QBD1200 Laboratory TOC Analyzer

Description

The goal of this e-learning is to train new users on the lab QBD1200 TOC meter and how to work with it in their daily work. In the product training of the QBD1200 we show you the installation of the TOC analyzer.

- How to operate the QBD1200 TOC analyzer. This is an explanation of the user manual
- Also, the calibration of the QBD1200 is shown. Where to pay attention on calibration or verification of the TOC analyzer
- In Maintenance and Troubleshooting of the QBD1200 we show you how to maintain the instrument
- We suggest you have a regular maintenance schedule.
- We end this learning with a challenge.

Course Code

DL-DR300-PRO

TU5200 Laboratory Laser Turbidimeter

Description

The goal of this e-learning is to train new users on the Laboratory turbidity meter. The course will cover installation, operation, calibration, maintenance, troubleshooting.

Course Code

DL-TU5200-PRO

TU5300sc/TU5400sc Process Laser Turbidimeter

Description

The goal of this e-learning is to train new users on the process turbidity meter and how to work in their daily work. The course will include:

- Operation, calibration, verification, maintenance, troubleshooting
- Comparison of lab and process turbidity results

Course Code

DL-TU5X00-PRO

PRODUCT COURSES

Orbisphere 6110 Package Analyzer

Description

The goal of this e-learning is to train new users on the process turbidity meter and how to work in their daily work. The course will include:

- Operation, calibration, verification, maintenance, troubleshooting
- Comparison of lab and process turbidity results

Course Code

DL-6110-PRO

SC200 Universal Controller

Description

This course is designed for new and existing users of the SC200 Universal Controller. Topics include:

- Understand/define the key functions and capabilities of the controller
- Identify the major components and explain their purpose
- Successfully connect the SC200 to analog & digital sensors
- Understand the basic menu structure
- Navigate and complete basic sequences using the on-screen menus.

Course Code

DL-SC200-PRO

SC1000 Universal Controller

Description

This course is designed for new users and owners of the SC1000 Universal Controller from Hach. In this elearning you will have an introduction to the SC1000 Universal Controller and will focus on:

- Introduction
- Functions of the SC1000
- Components
- Conclusion
- Installation
- SC1000 Operation
- Quiz

Course Code

DL-SC1000-PRO

SC4500 Universal Controller

Description

This course is designed for new users and owners of the SC4500 Universal Controller from Hach. In this elearning you will have an introduction to the SC4500 Universal Controller and will focus on:

- Product overview
- Functions
- Components
- Installation
- Operation

Course Code

DL-SC4500-PRO

PRODUCT COURSES

Solitax sc Sensor

Description

Hach's digital Solitax sc process probes are designed for the accurate determination of turbidity and suspended solids in accordance with DIN EN ISO.

This eLearning is designed for water operators and plant managers who need to measure chlorine at their facilities. Applications for the Solitax sc are in drinking water, waste water, and industrial applications. This training will guide you through basic installation, operation, maintenance, and troubleshooting.

Course Code

DL-SOLITAX-PRO

Differential pH Sensor

Description

This course is designed for new users and owners of the Differential pH Sensor and provides an opportunity to explore:

- What is pH and potentiometric theory
- Installation options
- Operation: Configuring the sensor and common menus
- Calibration: Menu navigation, calibration steps, and a demonstration video
- Maintenance: Schedule, materials, menu navigation, cleaning and replacing salt-bridge steps, and a demonstration video
- Troubleshooting: Common errors and recommendations

Course Code

DL-PHSENSOR-PRO

Filtrax Sample System

Description

This high-level course is specifically designed for new operators and owners of the Filtrax sample system, and will focus on the following:

- Filtrax technical data
- Theory of Operation
- Setup
- Maintenance
- Troubleshooting
- Summary and Challenges

Course Code

DL-FILTRAX-PRO

APPLICATION COURSES

Drinking Water Disinfection

Description

In this course we discuss all the following topics:

primary and secondary disinfection in drinking water

- Why disinfection is needed in a drinking water process and which chemicals or techniques are used to disinfect the water
- Chlorine dioxide, Ozone (O₃)
- UV light
- Chlorine Monochloramine
- Dichloramine and Nitrogen trichloride can be used to disinfect
- The benefits and limitations of each disinfectant are discussed
- What happens if Ammonium is in chlorinated water and the influence of pH on this process

Course Code

DL-DWDIS-APP



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