

1. General Conditions

Training place is SWAN Headquarter:

SWAN Analytische Instrumente AG

Studbachstrasse 13

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Training is for free for personnel of all subsidiaries and distributors.

Swan Provides (other than what's necessary for above listed activities):

- Lunch
- Training dinner: to close the training all "teachers and participants" are invited to a dinner at the restaurant.

Participants must provide by themselves:

- Travel to Switzerland
- Accommodation
- Transport between Hotel and SWAN Headquarter
- Dinner (except day of Training Dinner)

To participate to Basic Training, please send your registration form to support@swan.ch

You'll receive quarterly invitation to the training with attached registration form, or you can download the form from our webpage www.swan.ch

At the end of training, we'll provide you a USB stick containing all presentations of training.

2. Draft Agenda of Basic Tech Training

	Monday
9:00 - 10:30	Meet and Greet
	Swan Company presentation
	Swan Support presentation
10:30 - 10:40	Coffee Break
10:40 - 12:00	Electronics
12:00 - 13:00	Lunch Break
13:00 - 15:00	Potentiometry– Presentation
15:00 - 15:10	Coffee Break
15:10-16:30	Potentiometry- Hands on Session

	Tuesday
9:00 - 10:15	Factory Tour
	SAC – Presentation
10:15 - 10:30	Coffee Break
10:30 - 12:00	SAC- Hands on Session
12:00 - 13:00	Lunch Break
13:00 - 15:00	Conductivity – Presentation
15:00 - 15:10	Coffee Break
15:10 - 16:30	Conductivity – Hands on Session

	Wednesday
9:00 - 10:15	TOC– Presentation
10:15 - 10:30	Coffee Break
10:30 - 12:00	TOC – Hands on Session
12:00 - 13:00	Lunch Break
13:00 - 15:00	Photometry – Presentation
15:00 - 15:10	Coffee Break
15:10 - 16:30	Photometry – Hands on Session

Thursday	
9:00 - 10:15	Amperometry – Presentation and Hands on Session
10:15 - 10:30	Coffee Break
10:30 - 12:00	Turbidity – Presentation and Hands on Session
12:00 - 13:00	Lunch Break
13:00 - 14:30	Disinfection- Presentation
14:30 - 14:45	Coffee Break
14:45 - 16:30	Disinfection- Hands on Session

Friday	
9:00 - 9:30	Question Time
9:30 - 10:30	Final Test
10:30 - 10:40	Coffee Break
10:40 - 12:00	Feedback form & Greetings

3. Topic Description

For each parameter and instrument mentioned below, presentation will include respectively:

- Measuring principle
- Description of instruments
- Maintenance & Troubleshooting

3.1. Electronics

- AMI/AMU Transmitter
- AMI II/ AMU II Transmitter
- Communication Option
- Troubleshooting on transmitter
- Microcon replacement and FW upload (USB and Swan Terminal)

3.2. Potentiometry – Hands on Session

- AMI pH/Redox: electrode installation
- AMI pH/Redox: standard calibration
- AMI Sodium: sensors installation
- AMI Sodium: sensor etching
- AMI Sodium: sensor calibration
- AMI Soditrace: service programming
- AMI Soditrace: valve block test
- AMI Soditrace: solenoid valve maintenance

3.3. SAC – Hands on Session

- AMI SAC254: Startup procedure
- AMI SAC254: Verification
- AMI SAC254: General maintenance

3.4. Conductivity – Hands on Session

- AMI Deltacon Power: Set of cell constant
- AMI Deltacon Power: Check of temperature compensation
- AMI Deltacon Power: Opening and closing slot-lock
- AMI Deltacon Power: Replace resin
- AMI Deltacon DG: Activation of degasser
- AMI CACE: Replace Service Kit
- AMI II CACE DG: Activation of degasser and replace service kit
- AMI Solicon4: Standard Calibration

3.5. Photometry – Hands on Session

- AMI Silica: Standard calibration/Grab Sample
- AMI Silica: Perform verification
- AMI Silica/Silitrace: Reagent preparation
- AMI Silitrace: Reaction coil replacement
- AMI Silica/Silitrace/Sequencer: 6 way valve replacement

3.6. TOC – Hands on

- AMI Line TOC: General maintenance (tubing, lamp, and filter replacement)

3.7. Turbidity – Hands on Session

- AMI Turbitrack: Performing Verification
- AMI Turbiwell: Performing Verification
- Chematest 42: Perform turbidity verification

3.8. Amperometry – Hands on Session

- AMI Oxytrace: Sensor cap replacement
- AMI Oxytrace: Sensor calibration
- AMI Oxytrace: Zero Verification
- AMI Oxytrace QED: Faraday Verification

3.9. Desinfection – Hands on Session

- AMI Codes II (CC TC): Clean photometer
- AMI Codes II (CC TC): Exchange pumping frame
- AMI Codes II (CC TC): Prepare reagents
- AMI Codes II (CC TC): Performing verification
- AMI Codes II (CC TC): Process Calibration (with CT30)
- AMI Trides: Process Calibration (with CT30)