



# **Course Description**

This hands-on and lecture course is intended to increase your understanding of PAC's Cold properties analysers and the related ASTM methods. You will receive presentations for theory and component identification, mixed with hands on training with instruments in our laboratory. Also covered will be the software for user interface, calibration, maintenance, and troubleshooting for common problems. Customized applications will be reasonably accommodated upon request. This course is conducted by certified, skilled PAC technicians who have experience with the instruments in real world applications. You will also have access to the PAC support group for specific discussions and forums for your unique situations.

## Who should attend?

New users or current operators who want a refresher to fill in knowledge gaps.

### Course materials

PAC will provide the presentations as well as the instruments.

### Length

3 days

#### Language

German

English classes are available on request.

### Course Part Number and Cost

Part Number: On request 1200 € for each attendee



# Agenda

As shown below. Modifications can be made on participant's requests.

Day 1

Time: 9:00 - 16:30

Day 3

Time: 9:00 - 16:30

OptiDist ASTM D86

**Method Requirements** 

· How to ensure you are in compliance with the method

· Interpretation of the test results

· Common application problem

**Instrument Overview** 

· Theory of operation

· Hands-on laboratory

· User interface / Test setup

Calibration

· Calibration procedure

· Tools and reagents

Maintenance

 $\cdot \ \text{Common maintenance} \\$ 

 $\boldsymbol{\cdot}$  Materials and tools

Basic troubleshooting

· Common user errors

· Troubleshooting

PMD 110 ASTM D7345

**Method Requirements** 

· How to ensure you are in compliance with the method

Day 2

Time: 9:00 - 16:30

 $\cdot$  Interpretation of the test results

· Common application problem

**Instrument Overview** 

· Theory of operation

· Hands-on laboratory

· User interface / Test setup

Calibration

· Calibration procedure

 $\boldsymbol{\cdot}$  Tools and reagents

Maintenance

 $\cdot \ \text{Common maintenance} \\$ 

 $\boldsymbol{\cdot}$  Materials and tools

Basic troubleshooting

· Common user errors

Troubleshooting

HDV632 ASTM D1160 (On request)

**Method Requirements** 

· How to ensure you are in compliance with the method

 $\boldsymbol{\cdot}$  Interpretation of the test results

 $\cdot$  Common application problem

**Instrument Overview** 

 $\boldsymbol{\cdot}$  Theory of operation

 $\cdot \ \text{Hands-on laboratory} \\$ 

 $\cdot$  User interface / Test setup

Calibration

 $\cdot \ {\sf Calibration} \ {\sf procedure}$ 

· Tools and reagents

Maintenance

 $\cdot$  Common maintenance

 $\boldsymbol{\cdot}$  Materials and tools

Basic troubleshooting

· Common user errors

· Troubleshooting

Contact us to register or in case of any question

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#### Terms and Conditions:

• Payments need to be settled 100% prior to the start date of the training course.

- Cancellation within 10 business days before the course starts or in case of non-participation, 100% of the course fees will be charged. Training registration can be transferred to a colleague.
- Classes are limited to 6 participants. Courses with less than 3 registrations are subject to cancellation 20 business days before scheduled date.
- Training price includes training, training material, and lunch and beverages at the training facility. Cost for travelling, accommodation, and other meals are not included.

Customers under a "TotalCare" service program receive a 10% discount on all training courses