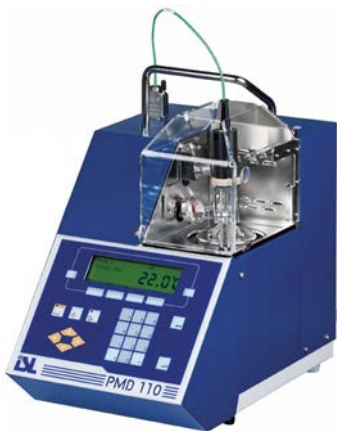


PAC Basic Work Shop

European Training Center
Walter Herzog GmbH
Badstr. 3-5
97922 Lauda-Königshofen, Germany



Course Description:

This hands-on and lecture course is to introduce you the wide range of PAC's Physical 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 need a refresher to fill in knowledge gaps.

Course Materials:

PAC will provide the presentations, as well as the instruments.

Length:

5 days

Language:

German

English classes are available on request. For further information, please get in contact with us.

Course Part Number and Cost:

Part Number: On request

Cost: 800€ for each attendee

Course Agenda:

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

Contact us to Register or in case of any Questions. Today!

Web: visit our website [online registration form](#)

Phone: +49 9343 640-0

Email: Customerservice.Germany@pacip.com

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 5 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

Trainings Agenda

Monday

Time: 9:00 - 16:30

• Cold Property

- **Cloud Point**
 - ASTM D2500
- **Pour Point**
 - ASTM D97
 - Hands-on laboratory
 - User interface / Test setup
- **Freeze Point**
FZP5G2s
 - ASTM D7153
- **Mini Cloud / Pour Point**
MPP5Gs
 - ASTM D7346
 - ASTM D7619

Tuesday

Time: 9:00 - 16:30

• Distillation / Flash Point

- **OptiDist**
 - ASTM D86
- **PMD 110**
 - ASTM D7345
- **Vaccum Distillation**
HDV632
 - ASTM D1160
- **Tag / Abel**
 - ASTM D56
 - IP 170
- **Pensky Martens**
 - ASTM D93

Wednesday

Time: 9:00 - 16:30

• Viscosity

- **U-Tube Viscosity**
HVU 48x
 - ASTM D445/446
- **Multi-Range Viscosity**
HVM 472
 - ASTM D445/446

Thursday

Time: 9:00 - 16:30

• Miscellaneous

- **Cetane Analyser**
CID510
 - ASTM D7668
- **Density Analyser**
VIDA
 - ASTM D4052 / D5002

Friday

Time: 9:00 - 13:00

• Miscellaneous

- **Vapor Pressure**
HVP972
 - ASTM D5191 / D6378