

Training courses in small groups

Applied rheology—theory and practical application



Are you a **newcomer** who would like to acquire a basic understanding of rheology?

Are you a **seasoned user** and would like to expand your existing rheology knowledge?

Are you an **advanced user** and want to exploit the maximum measuring possibilities and optimize your measuring methods?

This application-oriented training will benefit users in research and development, in the production process and in quality control.

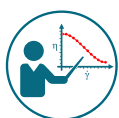
Come Join Us!

- Systematic introduction into rheology
- Three, 1.5-day courses, on rotational rheology, oscillatory measurements and normal force dependent rheology
- Clear and practical presentations by application specialists
- Comprehensive practical work on instruments with step-by-step instructions
- Certification of participation
- Training includes: Course, lunch, snacks, and refreshments
- Location: Golden, Colorado, USA

Applied rheology training courses

Detailed theoretical and practical knowledge will be taught by our rheology experts, enabling you to conduct reliable measurements and evaluate and interpret the measuring data. The relevance of rheology for research and development, production, and quality control will be discussed and demonstrated by presenting various application examples. In small groups, practical training, step-by-step sample handling, and filling are demonstrated on selected samples, and measurement and evaluation routines are created. Different rheometers are available in the rheology lab. Questions will be answered directly in the presentations and the practical training.

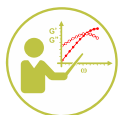
Module, Dates and Time



May 14-15, 2025

Basics of Rotational Rheology

- Introduction to rheology and rotational testing—Basic principles, definitions
- Rheological behavior—Flow behavior, yield stress, thixotropy, flow, and viscosity curves
- Thermo Scientific™ HAAKE™ RheoWin™ Rheometer Software—Creation of typical measurement and evaluation routines
- Hands-on Experience—Work through examples to further your understanding and learn new testing skills



June 11-12, 2025

Viscoelasticity, Creep and Creep Recovery, and Oscillatory Measurements

- Viscoelasticity—Basic principles, definitions
- Creep and creep recovery testing—Zero shear viscosity, retardation time, elastic, and viscous properties
- Measurements in oscillation—Amplitude, frequency, temperature, and time sweeps
- Thermo Scientific™ HAAKE™ RheoWin™ Rheometer Software—Creation of typical measurement and evaluation routines
- Hands-on Experience—Work through examples to further your understanding and learn new testing skills



July 30-31, 2025

Normal Force: Compressibility, Tact Testing, Powder Rheology, and Tribology Measurements

- Normal force—Basic principles, definitions
- Applicable uses and examples of compressibility, tact, powder and tribology measurements
- Thermo Scientific™ HAAKE™ RheoWin™ Rheometer Software—Creation of typical measurement and evaluation routines
- Hands-on Experience—Work through examples to further your understanding and learn new testing skills

Training course timing: Day 1: 9:00 AM-4:00 PM MT / Day 2: 9:00 AM-11:30 AM MT

Price and Registration

With the purchase of a Thermo Scientific™ HAAKE™ Rheometer, customer can select one admission to one training courses above. Additional modules and course admission cost \$250/each. If you are an existing Thermo Scientific HAAKE rheometer or viscometer customer, please reach out to seminars.mc.us@thermofisher for more information. The seminar participation covers course, lunch, snacks, and refreshments. We reserve the right to cancel the training up to 14 days before respective date.



Location

Colorado School of Mines
 Center for Applied Science and Engineering 523 Illinois Street
 Golden, CO 80401

Scan for details

Further information and registration:
thermofisher.com/rheology-training
 E-mail address for inquiries:
seminars.mc.us@thermofisher.com

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