

# Training Catalogue



**Theory and operation  
of Calorimeters, Thermal  
Analyzers and Manometry  
instrument**

DSC, Calorimetry, TGA, TG-DTA,  
TG-DSC, TMA, Evolved Gas  
Analysis, Sorption

2024 / 2025



## TRAINING SESSIONS

Our Training Catalogue is for laboratory managers or users of Setaram Thermal Analyzers, Calorimeters or Manometric Instruments.

You will find a training session whatever your need whether that is understanding the basics of measurements or becoming an advanced user of a specific technique or instrument.

To support you with your Setaram instrument we have developed specific training programs.

They include :

- Overview of theory and measurement principles
- Detailed description of the instrument and its accessories
- Explanation of the operational conditions and tips to optimise user experience
- Experiments and data treatment of at least one analysis
- Predictive and curative maintenance

Dedicated training on the use of Calisto software (signal acquisition and processing) can be performed :

- On your site
- In our laboratory
- Online

Easily improve your skills by trying our new online 2 hour training sessions:

- Good measurement practices
- Enthalpy calibration and temperature correction
- Heat capacity determination
- Heat of reaction

*Customized sessions can be developed with you. These can be focussed on instrument, technique or specific applications with training on thermal data interpretation.*



*Can't find your instrument in the list or need to know more about a specific training session?*

**Email us at**  
**[setaram@kep-technologies.com](mailto:setaram@kep-technologies.com)**  
*We will get back to you within 72 hours*



EMEA (Europe, Middle East, Africa)

**KEP TECHNOLOGIES EMEA**

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# THERMAL ANALYSIS APPLIED TO THE SETLINE RANGE



## Training

### Instruments

SETLINE DSC/DSC+  
SETLINE STA/STA+  
SETLINE TGA

### Price

2100€

### Duration

1.5 days

### Highlights

- Training room
- Laboratory for hands-on practice
- Experienced trainers

### Location

- EMEA Laboratory
- On your site



## Theory

- Theoretical presentation of thermal analysis techniques
- Instrument : equipment and its key parts, preventive and curative maintenance
- Calibrations and corrections: energy calibration and temperature correction
- Optimization of key experimental parameters
- Review of key applications and discussion around customer applications
- Presentation of the autosampler



## Practice

- Blank measurement
- Standard sample measurement
- Calisto software utilization
- Implementation of an option ([read more in the SETLINE brochure](#))





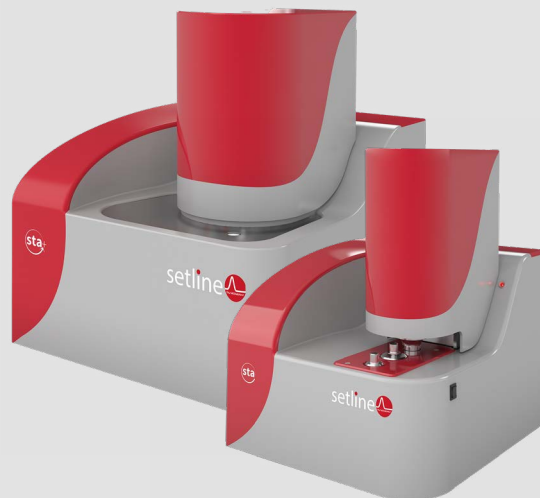


### SETLINE DSC / DSC+

1.5 days

2100€ (\$2100)

Calibration and checking of the instrument



### SETLINE STA / STA+

1.5 days

2100€ (\$2100)

Calibration and checking of the instrument



### SETLINE TGA

1.5 days

2100€ (\$2100)

Calibration and checking of the instrument

All training marked with a  are available in our EMEA laboratory

# THERMAL ANALYSIS APPLIED TO THE THEMYS RANGE



## Training

### Instrument

THEMYS  
THEMYS HP  
THEMYS DUO  
THEMYS LV  
THEMYS H2  
THEMYS FLASH  
THEMYS ONE

### Price

From 2100€

### Duration

From 1.5 to 3 days

### Highlights

- Training room
- Laboratory for hands-on practice
- Experienced trainers

### Location

- EMEA Laboratory
- On your site



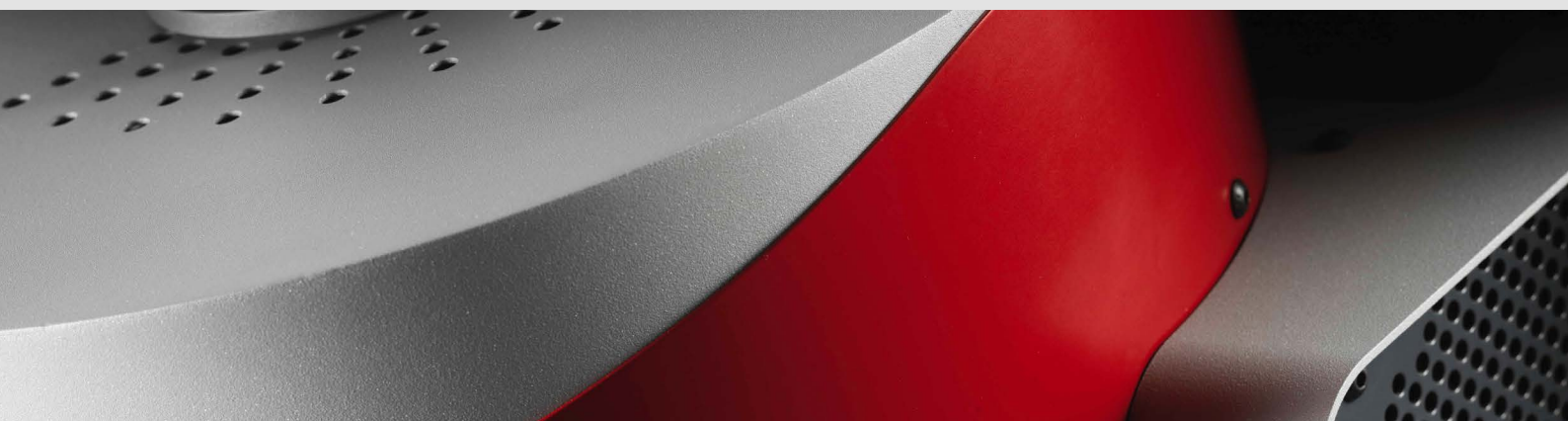
## Theory

- Principles of thermal analysis : DTA, DSC, TGA, TMA
- Instrument : equipment and its key parts, preventive and curative maintenance
- Calibrations and corrections
- Optimization of key experimental parameters
- Review of key applications and discussion around customer applications



## Practice

- Blank measurement
- Standard sample measurement
- Calisto software utilization
- Change of measurement configuration or accessories installation
- Implementation of an option ([read more in the THEMYS brochure](#)) including coupling options like MS, FTIR, GC/MS





### THEMYS

from 2 to 3 days  
from 2800€ (\$2800)  
Change of measurement configuration



### THEMYS HP

2 days  
2800€ (\$2800)  
Use of high pressure TGA



### THEMYS DUO

from 2 to 3 days  
from 2800€ (\$2800)  
Symmetrical TGA measurement optimization



### THEMYS LV

2 days  
2800€ (\$2800)  
Large volume TGA measurement optimization



### THEMYS H2

2 days  
2800€ (\$2800)  
Cautions of use under H2




### THEMYS FLASH

2 days  
2800€ (\$2800)  
Fast heating TGA measurement optimization



### THEMYS ONE

from 1.5 to 2 days  
from 2100€ (\$2800)  
Thermal analysis method optimization

All training marked with a  are available in our EMEA laboratory

# CALORIMETRY APPLIED TO THE CALVET RANGE



## Training

### Instruments

CALVET  
CALVET CRYO  
CALVET HT  
CALVET LV  
CALVET LV 4C  
CALVET DC ALEXSYS  
CALVET PRO  
CALVET DC

### Price

From 2100€

### Duration

From 1.5 to 3 days

### Highlights

- Training room
- Laboratory for hands-on practice
- Experienced trainers

### Location

- EMEA Laboratory
- On your site



## Theory

- Principles of calorimetry
- Instrument : equipment and its key parts, preventive and curative maintenance
- Calibrations and corrections: energy calibration and temperature correction
- Optimization of key experimental parameters
- Review of key applications and discussion around customer applications



## Practice

- Standard sample measurement
- Calisto software utilization
- High pressure or mixing cell set-up
- Implementation of an option ([read more in the CALVET brochure](#))





### CALVET

from 1.5 to 3 days  
from 2100€ (\$2100)

Calorimetric measurement optimization



### CALVET CRYO

from 1.5 to 3 days  
from 2100€ (\$2100)

Low temperature calorimetric measurement optimization



### CALVET HT

from 1.5 to 3 days  
from 2100€ (\$2100)

High temperature calorimetric measurement optimization



### CALVET LV

from 1.5 to 3 days  
from 2100€ (\$2100)

Calorimetric measurement optimization



### CALVET LV 4C

from 1.5 to 3 days  
from 2100€ (\$2100)

Calorimetric measurement optimization



### CALVET DC

from 1.5 to 3 days  
from 2100€ (\$2100)

Calorimetric measurement optimization



### CALVET DC ALEXSYS

from 1.5 to 3 days  
from 2100€ (\$2100)

Drop calorimetry measurement optimization



### CALVET PRO

from 1.5 to 3 days  
from 2100€ (\$2100)

Thermal analysis method optimization

All training marked with a  are available in our EMEA laboratory

# MICRO CALORIMETRY APPLIED TO THE MICROCALVET RANGE



F

## Training

### Instruments

MICROCALVET  
MICROCALVET ULTRA  
MICROCALVET ULTRA 4C

### Price

From 2100€

### Duration

From 1.5 to 2 days

### Highlights

- Training room
- Laboratory for hands-on practice
- Experienced trainers

### Location

- EMEA Laboratory
- On your site



## Theory

- Principles of calorimetry
- Instrument : equipment and its key parts, preventive and curative maintenance
- Calibrations and corrections: energy calibration and temperature correction
- Optimization of key experimental parameters
- Review of key applications and discussion around customer applications



## Practice

- Standard sample measurement
- Calisto software utilization
- High pressure or mixing cell set-up
- Implementation of an option ([read more in the MICROCALVET brochure](#))



### **MICROCALVET**

*from 1.5 to 2 days*  
*from 2100€ (\$2100)*  
Calorimetric method optimization



### **MICROCALVET ULTRA**

*from 1.5 to 2 days*  
*from 2100€ (\$2100)*  
Calorimetric method optimization



### **MICROCALVET ULTRA 4C**

*from 1.5 to 2 days*  
*from 2100€ (\$2100)*  
Calorimetric method optimization

All training marked with a  are available in our EMEA laboratory

# MANOMETRY APPLIED TO THE GASPRO RANGE



## Training

**Instrument**  
GASPRO

**Price**  
From 2100€

**Duration**  
2 days

### Highlights

- Training room
- Laboratory for hands-on practice
- Experienced trainers

### Location

- On your site



## Theory

- Reminder on sorption phenomena
- Principles of Sievert's method
- Instrument : equipment and its key parts, preventive and curative maintenance
- Description of PCT and Kinetic Measurements
- Description of calibration methods of dead volume
- Optimization of key experimental parameters
- Review of key applications and discussion around customer applications



## Practice

- Measurement of a standard sample: Pre-treatment, Calibration of dead volume, PCT or kinetics measurement
- Hy-data and Hy-Analysis Software
- Implementation of an option ([read more in the GASPRO brochure](#))

TEST GAS

200 BAR MAX



## **GASPRO**

*2 days*

*from 2100€ (\$2100)*

Manometric measurement set-up



## ACCESSORIES : FLEXI LINE



### Training

#### Instruments

FLEXI HYCO  
FLEXI HP MS  
FLEXI HP 1000  
FLEXI BALANCE  
FLEXI WET 50  
FLEXI WET 200

#### Price

200€

#### Duration

1 hour

#### Highlights

- Experienced trainers

#### Location

- By Teams video
- EMEA Laboratory



### Theory

- Principles of operation
- Instrument : equipment and its key parts, preventive and curative maintenance
- Optimization of key experimental parameters
- Review of key applications and discussion around customer applications



### Practice

- Practical operation
- Programming (if available)
- Parameters set-up
- Coupling to an adapted instrument





### FLEXI HYCO

1 hour

200€ (\$200)

Plug-in : GASPRO, CALVET, CALVET PRO



### FLEXI HP MS

1 hour

200€ (\$200)

Plug-in : GASPRO, THEMYS HP



### FLEXI HP 1000

1 hour

200€ (\$200)

Plug-in : GASPRO, THEMYS HP



### FLEXI HP 200

No training

Plug-in : GASPRO, THEMYS HP



### FLEXI BALANCE

1 hour

200€ (\$200)

Plug-in : THEMYS, THEMYS DUO



### FLEXI CHILL

No training

Plug-in : SETLINE STA/STA+,  
THEMYS ONE/ONE+



### FLEXI WET 50

1 hour

200€ (\$200)

Plug-in : THEMYS, CALVET



### FLEXI WET 200

1 hour

200€ (\$200)

Plug-in : THEMYS, CALVET

# SPECIALIZED ANALYZERS FOR PROCESS SAFETY TESTING



## Training

### Instruments

RSC 400 AS

TAC 500 AS

### Price

2100€

### Duration

1.5 days

### Highlights

- Training room
- Laboratory for hands-on practice
- Experienced trainers

### Location

- EMEA Laboratory
- On your site



## Theory

- Principles of calorimetry
- Instrument : equipment and its key parts, preventive and curative maintenance
- Temperature calibration
- Optimization of key experimental parameters
- Review of key applications and discussion around customer applications



## Practice

- Standard sample measurement
- Acquisition and processing softwares utilization
- High pressure cell set-up





### RSC 400 AS

1.5 days

2100€ (\$2100)

Calorimetric measurement optimization



### TAC 500 AS

1.5 days

2100€ (\$2100)

Calorimetric measurement optimization



## Training

### Sessions

On your site  
In our laboratory  
Online

### Price

700€

### Duration

0.5 day

### Highlights

- Training room
- Teams visioconference
- Experienced trainers

### Location

- EMEA Laboratory
- On your site
- By Teams video



## Theory

- Calisto Acquisition: direct programming and programming of an experiment
- Main tools of Calisto Processing
- Calculations of temperature correction and sensitivity coefficients
- Processing a HeatFlow curve (DSC/DTA)
- Processing a mass variation curve (TGA)
- Processing a displacement curve (TMA)
- Review of advanced tools: calculation of heat capacity ( $C_p$ ), peak separation, crystallinity rate, MS/FTIR/GCMS data imports...



## Practice

- Importing an experiment
- Curve processing
- Exporting data or graphs







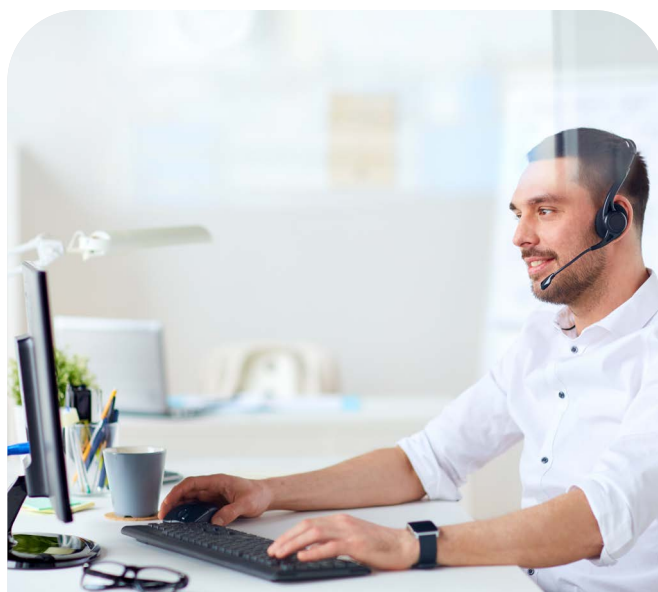
### **On your site**

*0.5 day*  
700€ (\$700)  
Calisto use optimization



### **EMEA laboratory**

*0.5 day*  
700€ (\$700)  
Calisto use optimization



### **Online**

*0.5 day*  
700€ (\$700)  
Calisto use optimization

# SHORT TRAINING SESSIONS



## Training

### Sessions

- TGA measurement practice
- DSC measurement practice
- Calorimetric measurement practice
- TMA measurement practice
- Enthalpy calibration and temperature correction
- Heat capacity (Cp) determination
- Heat mixing/reaction

### Price

400€

### Duration

2 hours

### Highlights

- Teams visioconference
- Experienced trainers

### Location

- By Teams video



## Theory

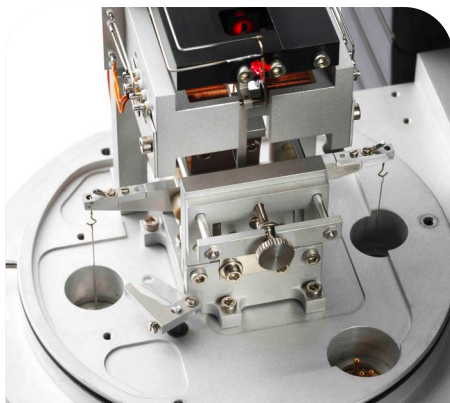
- Measurement practice
- Instrument checking
- Configuration choice
- Experimental parameters optimization
- Sample set-up
- Calibration
- Enthalpy calibration principle
- Temperature correction principle
- Experimental parameters optimization according to the sensor
- Cp determination
- Heat capacity definition
- Different calculation methods
- Experimental parameters optimization
- Heat of mixing/reaction
- Presentation of the different mixing cells
- Experimental parameters optimization
- Results interpretation



## Practice

- Calibration
- Step by step set-up of a calibration
- Use of Calisto to process a measurement
- Use of Calisto to calculate coefficients
- Cp determination
- Step by step set-up of a heat capacity determination
- Data processing and Cp calculation using Calisto
- Heat of mixing/reaction
- Step by step set-up of a heat of reaction measurement
- Data processing using Calisto





#### TGA measurement practice

2 hours  
400€ (\$400)

TGA measurement optimization



#### DSC measurement practice

2 hours  
400€ (\$400)

DSC measurement optimization



#### Calorimetric measurement practice

2 hours  
400€ (\$400)

Calorimetric measurement optimization



#### TMA measurement practice

2 hours  
400€ (\$400)

TMA measurement optimization



#### Enthalpy calibration and temperature correction

2 hours  
400€ (\$400)

Calorimeter calibration



#### Heat measurement of mixing/reaction

2 hours  
400€ (\$400)  
Mixing set-up



#### Heat capacity (Cp) determination

2 hours  
400€ (\$400)  
Cp measurement

## TRAINING SUMMARY

TRAINING	PRICE / PERSON (*)	DURAT. (from)**	DATES
SETLINE DSC/DSC+	2100€	1.5 days	<a href="#">Contact us</a>
SETLINE STA/STA+	2100€	1.5 days	<a href="#">Contact us</a>
THEMYS	2800€	2 days	<a href="#">Contact us</a>
THEMYS ONE	2100€	1.5 days	<a href="#">Contact us</a>
THEMYS HP	2800€	2 days	<a href="#">Contact us</a>
THEMYS LV (TG96)	2800€	2 days	<a href="#">Contact us</a>
THEMYS DUO (TAG)	2800€	2 days	<a href="#">Contact us</a>
THEMYS H2	2800€	2 days	<a href="#">Contact us</a>
THEMYS FLASH	2800€	2 days	<a href="#">Contact us</a>
CALVET (C80)	2100€	1.5 days	<a href="#">Contact us</a>
CALVET PRO (SENSYS)	2100€	1.5 days	<a href="#">Contact us</a>
CALVET CRYO (BT215)	2100€	1,5 days	<a href="#">Contact us</a>
CALVET LV (MS80)	2100€	1.5 days	<a href="#">Contact us</a>
CALVET LV 4C	2100€	1.5 days	<a href="#">Contact us</a>
CALVET DC (MHTC)	2100€	1.5 days	<a href="#">Contact us</a>
CALVET DC ALEXSYS	2100€	1.5 days	<a href="#">Contact us</a>
CALVET HT (C600)	2100€	1.5 days	<a href="#">Contact us</a>
MICROCALVET ( $\mu$ DSC7)	2100€	1.5 days	<a href="#">Contact us</a>
MICROCALVET ULTRA ( $\mu$ SC)	2100€	1.5 days	<a href="#">Contact us</a>
MICROCALVET ULTRA 4C ( $\mu$ SC)	2100€	1.5 days	<a href="#">Contact us</a>
GASPRO (PCTPro)	2100€	1.5 days	<a href="#">Contact us</a>

FLEXI HYCO	200€	1 hour	<a href="#">Contact us</a>
FLEXI HP MS	200€	1 hour	<a href="#">Contact us</a>
FLEXI HP 1000	200€	1 hour	<a href="#">Contact us</a>
FLEXI BALANCE	200€	1 hour	<a href="#">Contact us</a>
FLEXI WET 200	200€	1 hour	<a href="#">Contact us</a>
FLEXI WET 50	200€	1 hour	<a href="#">Contact us</a>
SETSYS evolution <i>(Old instrument)</i>	2100€	1.5 days	<a href="#">Contact us</a>
Labsys evo <i>(Old instrument)</i>	2100€	1.5 days	<a href="#">Contact us</a>
DSC131 evo <i>(Old instrument)</i>	2100€	1.5 days	<a href="#">Contact us</a>
μDSC3 evo <i>(Old instrument)</i>	2100€	1.5 days	<a href="#">Contact us</a>
CALISTO	700€	0.5 day	<a href="#">Contact us</a>
SHORT TRAINING SESSIONS <i>(Online)</i>	400€	2 hours	<a href="#">Contact us</a>

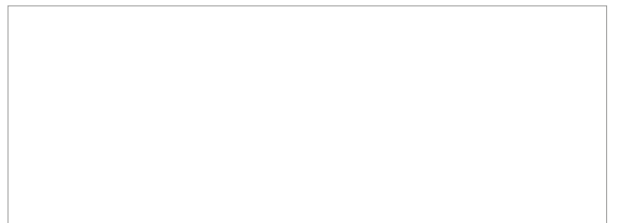
*\*For on site training, transport and living costs are charge extra*

*\*\* Option only available coupled with an instrument training session. Duration and price vary depending on the options  
(All prices exlude tax)*





Switzerland – France – China – United States – India – Hong Kong  
For contact details: [www.setaramsolutions.com](http://www.setaramsolutions.com) or [setaram@kep-technologies.com](mailto:setaram@kep-technologies.com)



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