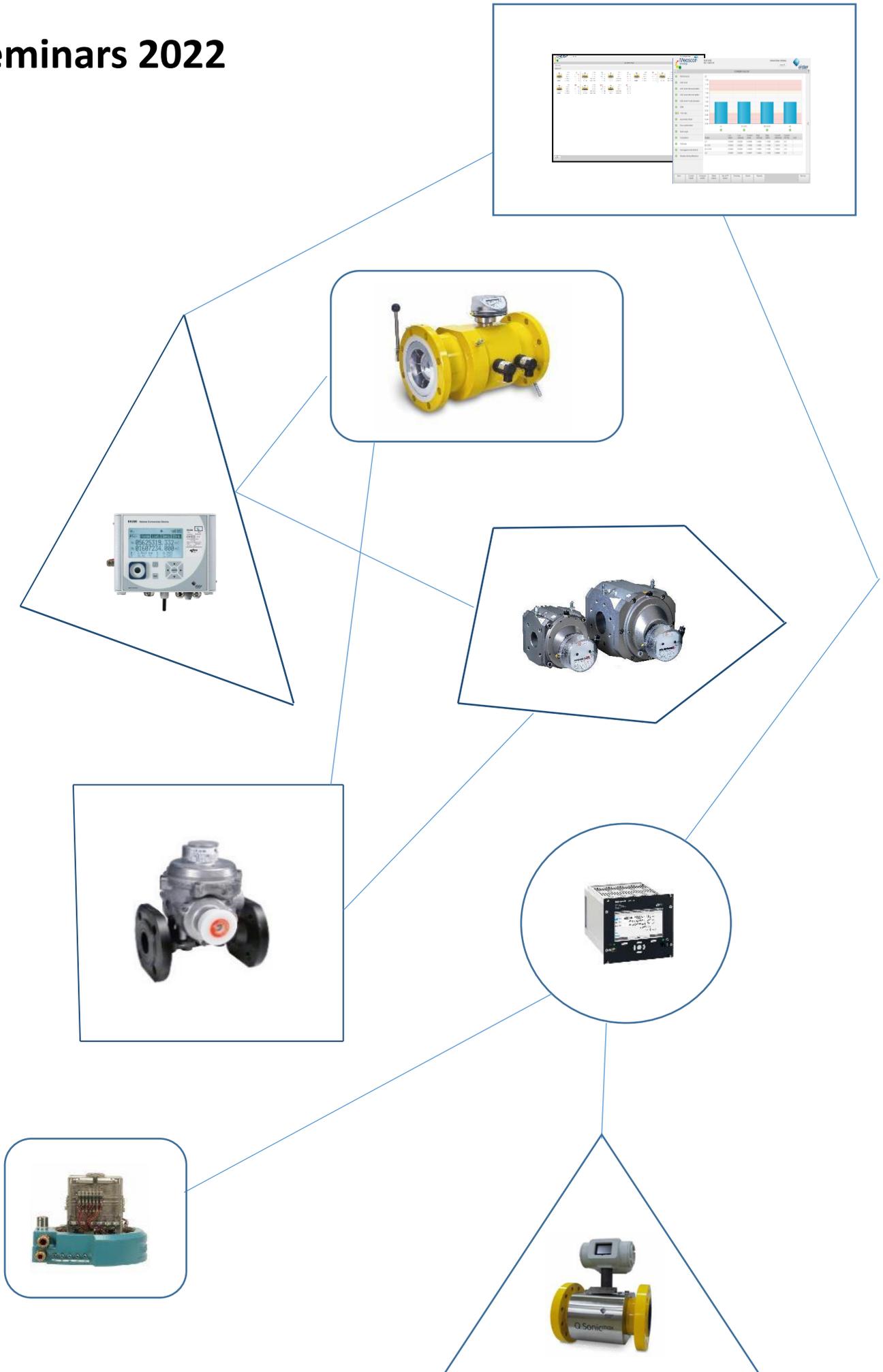


# Honeywell

## Seminars 2022



Editorial

# Welcome to Our Seminars

Dear Customers,

We are all worried about the climate and every day we read new headlines on the subject.

What will our mobility be like in the future?

How will we heat our homes and houses?

Will we still be able to book flights without having to feel guilty?

It is responsible and only right to talk about these things and to debate them, as we all have a serious responsibility for our future.

We also have this responsibility for our natural gas supply and all the meters and regulators we use for it.

Our new seminar brochure for 2022 contains all our specialist courses to keep your personnel who use our Elster products every day up to date with all the latest developments. Whether they attend the seminar here in Mainz-Kastel or at your premises, we will definitely be able to find the perfect solution for your training requirements. Just get in touch.

Yours sincerely,



Paul Schamari  
Seminar Manager Mainz-Kastel

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# How to Find Us in Mainz-Kastel

The following seminars will be held at the seminar center in Mainz-Kastel:

- Regulator Seminar <5 bar and High-Pressure Axial-Flow-Valve
- Industrial Gas Metering
- Basics of Volume Conversion Devices EK2x0

## Information for Navigation Systems

Mainz-Kastel is a suburb of Wiesbaden in the Federal state of Hesse.



Elster GmbH  
Steinern Straße 19 – 21  
D-55252 Mainz-Kastel

# How to Find Us in Dortmund

The following seminars will be held at the seminar center in Dortmund:

- Industrial Gas Flow Computer enCore FC1
- Gas Quality Analyzer EnCal 3000
- Q2



Elster GmbH  
Schloßstraße 95a  
D-44357 Dortmund

# Regulator Seminar <5 bar and High-Pressure Axial-Flow-Valve

## Aim

Fast, safe handling of gas pressure regulators. Using theoretical knowledge in practice.

## Contents

- Terminology of the control system with regard to gas pressure
- Function, design, characteristic curve diagrams & selection criteria of pressure regulators
- Safety regulations (safety diaphragm, safety shut-off valve, safety relief valve, low-pressure cut-off) for various pressure ranges
- Actions in the event of a fault
- Practice: Installation, commissioning and maintenance of various pressure regulators

## Target Group

Trained personnel from gas supply companies.

Trained personnel from the installation and service sector for industrial equipment.

## Training on request



Which Meter for Which System?

# Industrial Gas Metering

## Aim

Clarity for the selection, integration and installation of meters, also when combined with volume conversion devices.

## Contents

- Fundamentals of gas metering and the metering chain
- Aspects of the testing agency
- Design of meters, volume conversion devices, rotary and turbine gas meters
- Gas meter/volume converter system
- Expert discussion about rotary and turbine gas meters and volume conversion devices
- Remote data transfer from volume conversion devices

Training on request

## Target Group

Trained technical personnel who wish to acquire an overview of industrial gas meters and learn about the benefits and restrictions of different metering technologies.



## Basics of Volume Conversion Devices EK2x0



### Aim

This 2-days user seminar informs about the confident handling of the main functions for Volume Conversion Devices.

### Contents

- Fundamentals of volume conversion
- Metrological use of volume converters
- Short introduction of volume converter EK280/EK220/EK205
- Connecting components for remote data transfer
- User interface of the devices
- Interpreting and acknowledging error messages
- Battery change
- enSuite parameterization software
- Reading and visualization of process and archive data

### Notes

Further content on request

### Target Group

Fitters from grid or meter operators. Personnel from the field of remote meter reading and billing who wish to obtain an overview of the electronic metering technology used.

**Training on request**

# Industrial Gas Flow Computer enCore FC1

This 1,5-days user seminar offers an introduction to the use of the new Flow Computer with integrated data logging function in conjunction with the enSuite software for configuration and parameterization in the so-called “normal mode”.



Comprehensive practical exercises are intended to facilitate use of the FC1 with different I/O process connections and various components and simulations.

## Aim

The aim of this seminar is that our participants gain confidence against a backdrop of new technical developments and regulations and that they can perform their daily work more quickly and proficiently.

## Notes

It is a good idea to bring a notebook with you upon which the latest enSuite software including Java SE8 (or higher). On request, we can cover the applications in „expert mode“ in specially designed seminars.

## Target Group

Users who are already familiar with volume conversion devices and who wish to use the enCore FC1 in the future.

## Training on request

## Contents

- Introduction, overview and features of network connection
- Functioning of the FC1
- Online/Offline parameterization
- Application and parameterization of FC1
- Installation and use of the enSuite software

# Gas Quality Analyzer EnCal 3000

## Aim

The aim is to enable independent evaluation of chromatograms and the completion of a basic calibration as well as accompanying official calibration activities and fault analysis on the device.



## Target Group

Service technicians and auditors who carry out tests and function checks of the EnCal 3000.

## Training:

04./05. January 2022

16./17. August 2022

## Contents

- Design and type of action of PGC EnCal 3000 natural gas and biogas
- Design and structure of the RGC3000 application software
- Operating the gas-net EnCal 3000 evaluation unit
- Setting of parameters
- Carrying out a calibration
- Connecting and measuring test gases
- Connecting the evaluation unit
- Questions and ideas

## Notes

Safety footwear and a laptop with administrator rights are required (installation of the RGC3000 software).

## Fast Analyse

# The Q2 Seminar

This one-day seminar is intended for service technicians and auditors who carry out or assist tests and function checks of the Gas-Lab Q2.

## Aim

Evaluation of process values, carrying out service calibration, test gas analyse runs, fault analysis on the device.

## Contents

- Design and type of action of Gas-Lab Q2
- Design and structure of the Q2 application software enSuite
- Evaluation of source values
- Operating the Q2 display unit
- Setting of parameters
- Carrying out a calibration
- Connecting and measuring test gases
- Connecting the evaluation unit
- Troubleshooting

## Notes

- Safety footwear is required
- A laptop with administrations rights is required (installation of the current enSuite software)

## Target Group

Service technician.

## Training on request



No Time to Come to Us?

## On-site Seminars

We can also organize a seminar specifically for your needs. We offer a wide range of topics in the following fields:

### Regulators

Basic functions, regulator selection, safety devices, commissioning, maintenance, calibrated regulators, HTR, peculiarities and practical exercises on a testing line that we bring with us and will be set up at your premises.

### Gas meters

Diaphragm meters, rotary meters, turbine meters, indexes, interfaces, commissioning, operation of meters, fundamentals and practical exercises on section models.

### Electronics

Functions and applications of the devices (operation, setting values, error determination, archive readout), system connection (working with the enSuite parameterization software) and exercises directly on the devices

**You can also individually combine the seminar topics**

Price on request

Contact:

Paul Schamari

[Elster.customer.trainings@honeywell.com](mailto:Elster.customer.trainings@honeywell.com)

# Registration & Organization

## Registration

You can register by contacting your local representative.

You will receive all the information you need with the order confirmation:

- Seminar agenda

## Our Services

- 1 – 2 training days  
(depending on seminar booked)
- Training material
- Refreshments during the seminar
- Dinner together on the first day of training

## Seminar Venues

Elster GmbH Steinern Str. 19-21 55252 Mainz-Kastel	Regulator EK2xx MMI
Elster GmbH Schloßstr. 95a 44357 Dortmund	enCore FC1 EnCal 3000 Q2

## Your Contact in

### Mainz-Kastel

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## Your Contact in Dortmund

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## Dates

After inquiry

**Elster GmbH**

Steinern Straße 19-21

55252 Mainz-Kastel

[www.elster-instromet.com](http://www.elster-instromet.com)

Stand: October 2021

**Honeywell**