

Principles

Electromagnetic Compatibility (EMC) and Surge Voltage Protection



Training

Well-trained personnel are the basis for your success. We won't leave you on your own.

Sporadic appeared faults or even a total breakdown in electronic equipment and you have a production failure on your hands. That means a series of expensive calls to localise and rectify the problem. This is often caused by EMC or overvoltage factors. That is why protecting your applications against EMC or overvoltage is essential for guaranteeing high availability.

Overview

The Basic Factors of EMC / Surge Voltage Protection

- ❖ Types of couplings
- ❖ Their effects
- ❖ Demonstrations: Mini-lightning strike, Inductive coupling

Over-voltage protection - Measures

- ❖ Shielding
- ❖ Insulating
- ❖ How and where is shielding for measuring/data cables laid up
- ❖ Earthing
- ❖ Effective potential equalisation
- ❖ EMC/surge voltage protection components
- ❖ Planning rules
- ❖ Installation rules

And, of course, the answers to all of your questions.

Target Group

Specific training for employees in the following areas: operating personnel, service and maintenance personnel, commissioning and design engineers.

Duration

1 day (8:30 – 4.30 p.m.)

Individual requests:

No matter if you are new to the business or an old hand, we can offer you a workshop on weighing applications and equipment tailor-made to your needs. We will use a whole series of examples to familiarise you with EMC plans/over-voltage protection in the planning, design and installation phase.

Aim

Expand your expertise Schenck Process GmbH has collected years of experience in the field of customer training. Our training programs give you a broad basic knowledge of the areas of industrial weighing, feeding and automation technology. Training is carried out in an atmosphere geared to learning. This atmosphere is encouraged not only by the practically-oriented teaching aids, but also by the small group size.

- ❖ You will learn the fundamentals of EMC and surge voltage protection
- ❖ You will learn the details of how to protect yourself
- ❖ You will discuss the effects of poor protection or not being protected at all
- ❖ You will set up your own hands-on protection
- ❖ You will see first-hand examples of solutions

Constant switching between presentations and exercises ensure that your staff make the most of the training course. Our instructors are specialists with years of experience in weighing, metering and automation technology and convey what they know in a lively, interesting way.

How you will benefit

Only some of the advantages for you at a glance:

- ❖ You will increase **process reliability** by avoiding incorrect operation
- ❖ You will **save costs**, as you and your employees will be able to rectify malfunctions yourselves
- ❖ You will **refresh your expertise** by exchanging ideas with specialists
- ❖ You will **secure your investment** by being able to give your devices optimum care during operation
- ❖ You will avoid costs through **efficient employee training**, thorough **development of expertise** and the **rapid training** of new employees

General Notes

Training Venue

Right in the hub of it! Thanks to its central location, Darmstadt is perfect for training courses. Our recently opened TrainingCenter is easy to reach from anywhere in the world via Frankfurt airport. But we don't have to run the training course at one of our global sites, e.g. in England. Naturally, we can also hold a course at your place of business. Our flexibility allows you to make the decision. In our new TrainingCenter you will find a practical training in a professional environment.

Registration

Please register online at www.schenckprocess.com, section service/customer training.

You will receive prompt confirmation of your registration.

Fees

The daily rate is given on the overview page. *Please understand that the training course will only take place if a sufficient number of participants registers (min 3 people).*

Accommodation

On request, we would happily make a hotel reservation for you.

Further questions?

Should you have any questions, do not hesitate to contact us:

T: 06151-1531-3111,

F: 06151-1531-1336

training@schenckprocess.com

Customer-Specific Training Program

We would be glad to make you a quotation.

Give us a call!