

PHYWE Systeme GmbH & Co. KG  
Robert-Bosch-Breite 10  
D-37079 Göttingen

Telephone +49 (0) 551 604-0  
Fax +49 (0) 551 604-107  
E-mail info@phywe.de

**"Technical recommendation for application of the EMC Law to electrical and electronic teaching equipment (teaching aids)" REG TP 322 TE 01.**

Elementary components (Chapter 3.1.1) are individual passive or active electrical or electronic elements (e.g. a plugboard) and do not come under the EMC Law. They are not tested, and are neither given an EC declaration of conformity nor, as a rule, a **CE** mark.

In Chapter 3.2.2 (Systems) and Chapter 3.2.3 (Installations) the following is stipulated:

System set-ups (4.2.2) and set-ups from experimental construction sets must be in accordance with the directives in the EMC Law.

An exception to this is made, however, in the case of such **systems or construction sets** that, as a pure combination of components, only contain individual components that cannot be separately operated, as long as these are exclusively supplied to research, **teaching and training places** (institutes, schools, universities), in which it can be assumed that the experiments will be carried out under the supervision of **qualified (EMC skilled) staff** in appropriate technical rooms, and that all necessary measures (e.g. screening, short connecting cables, brief operation times) will be taken so that the proper functioning of other equipment that is operated outside of the technical room, or in the immediate electromagnetic vicinity, is not impaired.

Suitable measures are, for example:

- Shielding potential equalization
- Large distance from sensitive instruments
- Avoidance of upholstery that can lead to electrostatic charges (e.g. certain floor coverings)
- Filtering of line leads to emitting instruments and emission-sensitive instruments
- Exclusion of HF-generators (e.g. mobile phones) that do not belong to the experimental set-up
- Short connecting leads
- Brief operating times



**Note**

The cited experimental systems are only to be operated with **voltages that are not dangerous** to touch, i.e. voltages < 25 V AC or < 60 V DC!

**This account of conformity is to be applied to the following experimental systems:**

Student sets

Ident. no. 05134.10, .20, .66, .77, .88  
Ident. no. 05130.10, .20, .88

Magnetic board sets - Electricity/Electronics

Ident. no. 05136.10, .20, .88  
Ident. no. 05145.88

Demonstration plug-in sets - Electricity/Electronics

Ident. no. 13051.77, .88

TESS Physik Set Elektrik/Elektronik

Ident. no. 13281.88; 13282.88

TESS Physics Electric/Electronics modules

Ident. no. 05600.88  
Ident. no. 05601.88  
Ident. no. 05602.88

Demo Physics electric/electronic, building block

Ident. no. 09400.44, .55, .66, .88  
Ident. no. 09401.88

Motor model

Ident. no. 07850.10, .20, .30, .40

Electromotor generator set

Ident. no. 07880.00

Demonstration generator system

Ident. no. 06550.00 to 06559.00

Plug-in board, 4mm plugs

Ident. no. 06033.00

TESS Physics Set for Optics/Atomic physics

Ident-no. 13286.88

TESS Physics Set Renewable Energy EN1

Ident-no. 13287.88