

## DEMO advanced Physics set Radioactivity

Article no: 15590-88



### Function and Applications

Equipment set allowing the performance of 15 experiments about the following topics:

- Detection of radioactive Radiation (1 experiment)
- Statistics of radioactive Processes (1 experiment)
- Natural Radioactivity (3 experiments)
- Characteristic Properties of radioactive Radiation (8 experiments)
- Application of radioactive Substances (2 experiments)

### Benefits

- Complete equipment set: simple execution of the experiments
- The equipment is stored in a robust aluminum case with removable lid
- Foam insert for a quick control of completeness and secure transport of the set
- Experimenting literature for all teacher experiments are delivered as PDF documents on a DVD
- Matched with international Curriculum: all topics are covered
- Easy teaching by using the demo board for demonstration
- The Geiger-Müller counter is attached to the top of the board where it is clearly visible
- Magneto-adhesive components for a simple and clear arrangement
- Student experiments can be carried out parallel to demonstration experiments due to identical holders

### Equipment and Technical Data

- The equipment set consists of all necessary components for the experiments
- Robust storage case with foam insert fitting to the contained equipment

## Scope of delivery

Stand rods, stainless steel, various sizes	02030-00	1
Support clamp for small case	02043-10	1
Scale for demonstration board	02153-00	1
Support plate on fixing magnet	02155-00	1
Clamp on holder	02164-00	1
Steel pellets, d = 2 mm, 120 g	03990-00	1
Optical disk, magnet held	08270-09	1
Columbite, natural mineral	08464-01	1
Absorption material f.student exp	09014-03	1
Counter tube holder on fixating magnet	09201-00	1
Source holder on fixing magnet	09202-00	1
Plate holder on fixing magnet	09203-00	1
Specimen tube with holder	09203-01	1
Defl.magnets f. plate holder,2pcs	09203-02	1
Plate holder on fix. magnet	09204-00	1
Petri dishes, glass, various diameters	64704-00	2
Geiger-Mueller counter tube, type B, BNC cable 50 cm	09005-00	1
Absorption plates for beta rays	09024-00	1

## Necessary accessories

DEMO advanced Radioactivity necessary accessories	15590-01
PHYWE Demo Physics board with stand	02150-00

## Recommended accessories

Moveable experimental table 90 x 75 cm, 30 mm table top with PP edge, with shelf for 3 boxes and socket board	15500-00
Handbuch Lehrerversuche Radioaktivität auf der Tafel, DEMO advanced Physik (RT), (in german)	01156-01