Phy Che Bio Sci

PHYWE

Student set Optics 3

WAVE OPTICS

When we look at the colorful shimmer of a CD or the glowing rings of color around streetlamps in fog, we encounter the fascinating phenomena of diffraction and interference. These everyday wonders provide a perfect starting point for exploring the mysterious world of light. PHYWE's new Student Set Wave optics enables teachers and their students not only to observe these phenomena, but also to understand and experiment with them.

With simple but powerful experiments, our new experiment set promotes a deeper understanding of how light interacts with and shapes the world around us. It combines direct observation with the fundamental concepts of physics, making wave optics both accessible and fascinating.

Bring light into your life – with PHYWE student sets.

Precise results thanks to the use of a diode laser

Holistic learning: combination of theory and practice

Easy teaching and efficient learning through digital experiment descriptions

TESS advanced | PHYWE

Benefits

Discover the phenomena of diffraction, interference and polarization in a total of eleven experiments and prepare your students for tomorrow´s technologies.

- **Realistic:** Link experimental results to everyday experience
- **Precise experiments:** Use of lasers allows quantitative analysis
- **Storage:** Everything conveniently stored in a sturdy plastic box
- **Clarity:** Foam insert for quick check and safe transport
- **Simple:** Minimal preparation time thanks to digital experiment descriptions

Scope of supply

- Diode laser with power supply unit
- Continuously adjustable slit
- Diffraction objects, apertures, model bodies
- Polarization filter
- Holder, slide mount and imaging screen
- Other optical components

Product Overview

Product	Article no.
Student set Optics 3, Wave optics, TESS advanced Physics 11 experiments on topics of diffraction, interference, and polarization	25280-88
Necessary accessories:	
Optical profile-bench, l = 1,000 mm	08370-00

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