

Sound



Tuning fork

This resonance box is crafted from grained fir wood, featuring outstanding sound sustain performance. It is equipped with a detachable tuning fork (characteristic frequency: 440Hz, length: approx. 170mm) and a soft striking hammer. A professional experimental tool for acoustics teaching and tone demonstration.

Slinky spring

This device covers the core content of senior high school physics, focusing on the synthesis of vibrations and superposition of waves. It is also suitable for mathematics teaching, which can intuitively demonstrate the superposition principle of sine and cosine trigonometric functions. An ideal visual teaching aid for physics and mathematics experiments.



Microwave demonstration

Composed of a microwave transmitter, receiver and matching accessories, this device utilizes 3-cm wave characteristics to safely, simply and effectively conduct electromagnetic wave phenomenon demonstrations and microwave directional communication experiments. Equipped with an acousto-optic meter for multi-form display, it features intuitive, obvious and vivid demonstration phenomena with strong visibility, suitable for both qualitative demonstrations and quantitative tests.

Main Equipment List

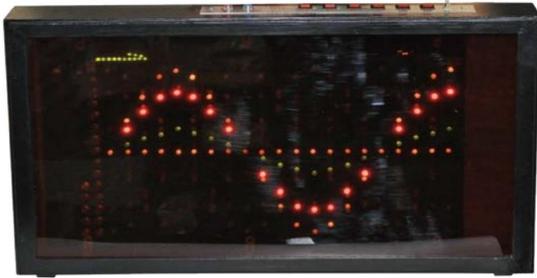
- Microwave transmitter ×1
- Wood block absorber ×2
- Large reflecting plate ×2
- Microwave receiver ×1
- Reflecting plate support ×4
- Small reflecting plate ×1
- Paraffin prism ×1
- Polarization grille ×1
- 0.2A fuse ×2
- 1.2m connecting cable ×1



Drinking Bird

This drinking bird features simple operation: moisten its head with water and place it beside a full glass of water, then it will periodically dip its head to "drink" continuously for hours. Standing 15cm tall, each product is equipped with detailed teacher explanations and suggested experiment guides, serving as an ideal science popularization and experimental teaching tool.





Demonstration for the wave synthetic

This instrument enables students to observe the superposition of two linear waves with the same phase, identical frequency and varying amplitudes. It also clearly demonstrates the characteristic waveform of standing waves, serving as an ideal experimental tool for wave physics teaching.

Slinky spring

This professional teaching instrument is specially designed for intuitively illustrating the propagation characteristics and dynamic behavior of longitudinal waves, serving as an essential visual aid for wave physics teaching and experimental demonstrations.



Coil diameter:25mm
Weight:1400g



Coil diameter:70mm
Weight:550g

Sound speed measure set

Equipped with a high-precision digital timer, this instrument boasts a timing accuracy of 0.1ms. It supports the measurement of sound speed through two professional formulas: $V=S/T$ and $V=f\lambda$, making it an ideal tool for acoustic physics experiments.

