

Wave Demonstration Spring Set



SW4260-001 wave demonstration springs

Description:

The IEC 'Demonstration Springs' are special springs used in the classroom for the study of wave motion. The short fat spring is sometimes called a "slinky spring"

Kit of 2x Special Springs Used for the Study of Wave Motion.

- Spring #1: approx. 70mm diameter x 100mm long. Stretches to approx. 10m long. Can be purchased separately as **PA4260-002**
- Spring #2: approx. 20mm diameter x 1.8m long. Stretches to approx. 10m long. Can be purchased separately as **PA4260-003**

Both springs are electroplated against corrosion and the steel is of high quality so that each spring recovers to its original shape after use. CAUTION: But, if the springs are abused and stretched severely, they can become strained and not return to their original shapes

Experiments can be performed relating to the following wave motion phenomena:

- Graphical representation and analysis of pulses and waves.
- Transverse waves.
- Periodic waves, their amplitudes and periods.
- Wave reflections from fixed and moving ends.
- Longitudinal waves.
- Standing waves.

All the experiments performed on the floor by these springs are described in your class physics text books or in class experiment notes.

| | | | | |
|------------|--------------|--------------|------------|----------------|
| Pack size: | Length:200mm | Width: 105mm | Height:105 | Weight: 1.1 kg |
|------------|--------------|--------------|------------|----------------|

Designed and manufactured in Australia

INDUSTRIAL EQUIPMENT & CONTROL PTY.LTD.

61-65 McClure St. Thornbury. 3071 Melbourne. Australia
 Tel: 61 (0)3 9497 2555 Fax: 61 (0)3 9497 2166 www.iecpl.com.au