



# NANO ELECTRONICS TRAINER

MODEL - NANO100

SIGMA Nano Kit is a fundamental kit designed to provide an understanding of the basic concepts of Nanotechnology right from the scaling to the characteristics at Nano level.



## FEATURES

1. Easy to comprehend
2. Diffraction Slide with different types of pattern is provided
3. Shape Memory Alloy demonstration
4. Scanning Probe Microscope concept demonstration
5. Learning material CD
6. Laser pointer is provided for clear vision of Diffraction Pattern
7. 2 Year Warranty

## SPECIFICATIONS

- |    |                     |   |                           |
|----|---------------------|---|---------------------------|
| 1. | Shape Memory wire   | : | Shape Memory wire         |
| 2. | Magnification Lens  | : |                           |
|    | Magnification       | : | 10x                       |
|    | Diameter of Lens    | : | 40mm                      |
| 3. | Laser source        | : |                           |
|    | Wavelength          | : | 630nm                     |
|    | Output              | : | Less than 3mW             |
|    | Hot Air Gun         | : | 200W                      |
|    | Diffraction Grating | : | With 8 different patterns |

## EXPERIMENTS

1. Understanding scaling of Nano technology.
2. Demonstration of arrangement of atoms in material using Diffraction Patterns.
3. Demonstration of concept of Scanning Probe Microscope using Magnetic Strip.
4. Demonstration of the change in atomic arrangement in Shape Memory Alloy.

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