Order Code - 55507
Introductory Nano Kit

Introductory Nano Kit is a fundamental kit to understand the basic concepts of Nano technology right from the scaling to the characteristics at Nano level.

Nanoscale Science, Engineering, and Technology are fields of research in which scientists and engineers are manipulating matter at the atomic and molecular level in order to obtain materials and systems with significantly improved properties. In this kit we are explaining what is atomic arrangement in any material. With the help of this kit we can also learn how atomic arrangement changes the properties of material.

Features :

- Easy to comprehend
- Laser pointer is provided for clear vision of diffraction pattern
- Diffraction slide with different types of pattern is provided
- Shape memory alloy demonstration
- Scanning Probe Microscope concept demonstration
- Extensive user manual
- Multimedia Study material
- Two years warranty

List of Experiments :

- Understanding scaling of Nanotechnology.
- Demonstration of arrangement of atoms in material using diffraction patterns.
- Demonstration of Concept of scanning probe microscope using magnetic strip.
- Demonstration of the change in atomic arrangement in Shape Memory Alloy.

Shape Memory Alloy Demonstrator

Technical Specifications :

Shape Memory wire	:	Ni-Ti alloy
Dimension	:	
Length	:	77 mm
Diameter	:	0.7 mm
Magnifying viewer		
Magnification	:	10 X
Diameter of Lens	:	40 mm
Laser source	:	
Wavelength :		630 nm
Output	:	Less than 3mW
Adaptor Input	:	220 - 240 V, 50/60 Hz
Adaptor Output	:	6V, 500mA
Hot Air Gun	:	200Watt
Diffraction Grating	:	With 8 different atomic arrangement

SPM Concept Demonstrator

Note: Specifications are subject to change.

Tesca Technologies Pvt. Ltd.
IT-2013, Ramchandrapura Industrial Area, Sitapura Extension,
Near Bombay Hospital, Vidhani Circle, Jaipur-302022, Rajasthan, India,
Tel: +91-141-2771791 / 2771792; Email: info@tesca.in, tesca.technologies@gmail.com
Website: www.tesca.in