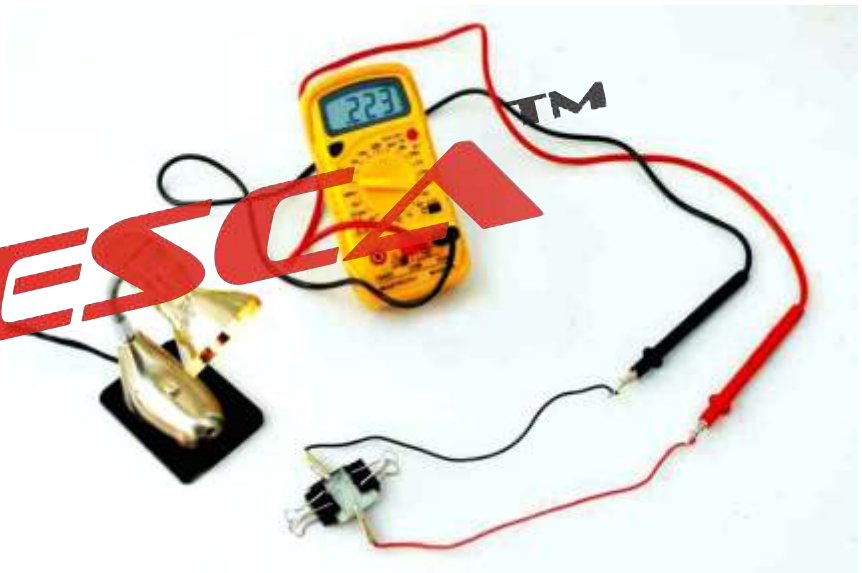
Order Code - 55508
Nano TiO_2 Solar Cell Kit



Nano TiO solar cell kit is a Nanotechnology based kit. This Kit explains how Nanotechnology helps in 2 the field of energy solutions. It illustrates energy conversion principles that can be integrated with mainstream topics in physics, chemistry and biology courses. It deals with thermodynamics of energy conversion and technology's impact on society. The Hands on approach of the kit enables students to make their own solar cell and to study the performance.

Features :

- A complete solution to prepare a Nano TiO_2 Solar Cell 2
- Provided with Transparent Conducting Glass Plates
- Provided with Digital Multimeter
- Provided with Light Source
- Accessories are provided in a Carrying Case
- Multimedia Study Material

Technical Specifications :

Conductive glass plate	:	Tin Oxide coated
Dimension	:	2.5 ´ 2.5 cm. (square)
Resistance	:	20 - 30 Ω
Electrolyte Solution	:	Iodine Electrolyte contain Ethylene Glycol
Dilute Acetic Acid Solution	:	100 ml, pH 2-3 in distilled water Labolene (Surfactant) : 20ml
Nano TiO Powder	:	10 gm 2
Hot Air Gun	:	200Watt
Light Source	:	Halogen lamp
Input	:	220-240V, 50/60Hz
Output Power	:	50Watt

List of Experiments :

- Preparation of Nano TiO_2 solar cell
- Study of solar cell in presence of sunlight
- Study of solar cell by using halogen lamp

Note: Specifications are subject to change.

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