NAUGRA®

Product name:	Product code:
Solar Tracking System Training Unit	CMI-NP-2020



Description

Unit with LDR based dual axis solar tracker that follows a lamp. Compares fixed panel output with tracking output and teaches sensor based control. Students observe how tracking improves energy capture and troubleshoot sensor and motor control circuits.

Technical specification

Control	Auto and manual
Meters	Voltage and current digital
Power Supply	230 V AC, 50 Hz, single phase
Construction	Powder coated MS frame with laminated work surface and labelled terminals

Standard Accessories

- Patch cord set
- Instruction manual
- Experiment manual

The Solar Tracking System Training Unit is designed for ITI, polytechnic and TVET laboratories. Students observe how tracking improves energy capture and troubleshoot sensor and motor control circuits.

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Features

- Dual-axis tracking with servo motors
- Four LDR sun sensor
- Controller card with manual mode
- Output comparison of fixed and tracking panels
- Halogen lamp on arc

Technical Specifications

Tracking Axes	2 (azimuth and elevation)
PV Panel	10 Wp
Motors	2 servo or gear motors, 12 V
Sensors	4 LDR quadrant