

SOLAR TRACKING CONTROL TRAINER

Model Number : GOTT-STCT-01



DESCRIPTION

This GOTT-STCT-01 solar tracking control trainer is designed to help estimate the generation quantity in relation to solar altitude. The trainer is the miniaturized solar tracking system with a programmable logic controller. It can control the motor and sensors through PC interface and also rotate in any directions (top/ bottom/left/right) based on the 2-axis actuators.

FEATURES

- Five solar simulation lamps installed on the support fixture
- Solar tracking system with a PLC controller
- 2-axis actuator control along with the sensors for solar tracking practices
- Lockable casters for convenient relocation of the training system

TECHINICAL SPECIFICATIONS

Solar Tracking Controller

- Programmable logic controller
- Power switch (halogen lamp ON/OFF)
- Solar cell voltmeter and amperemeter
- Analog input
- Signal Processing Input input

Control Panel

- DC output (lamp and motor)
- Sensor output
- Solar cell voltmeter and amperemeter
- Motor control (horizontal vs. vertical)
- DC 24V input

Solar Cell Unit

- 10W solar cells (5W x 2ea)
- 8-channel CDS input
- DC geared motor
- Simulation lamps

EXPERIMENT TOPICS

- Familiarisation with operating Principles of solar tacking system
- PLC control for solar tracking system
- Solar cell tracking control

Manuals :

- (1) All manuals are written in English.
- (2) Model Answer
- (3) Teaching Manuals

General Terms :

- (1) Accessories will be provided where applicable.
- (2) Manual & Training will be provided where applicable.
- (3) Design & specifications are subject to change without notice.
- (4) We reserve the right to discontinue the manufacturing of any product.

Warranty :

2 Years

ORDERING INFORMATION :

ITEM	MODEL NUMBER	CODE
SOLAR TRACKING CONTROL TRAINER	GOTT-STCT-01	446-000

*Proposed design only, subject to changes without any notice.