



Sun Trackers



EKO Instruments presents the improved STR-Sun Trackers STR-21G and STR-22G with fully automated set up procedure through a GPS receiver providing increased reliability and enhanced functionality



■ The new STR Sun Trackers now offer standard built-in GPS function with new features

- Accurate set up by automatic retrieval of position and time at any place on earth
- Easy installation and operating without need of a computer
- Operating status indication by LED signal
- Continuous clock synchronization enabling permanent reliable and accurate positioning of the solar radiometers measuring direct, diffuse and global irradiance

■ Standard STR-21G / 22G Sun Tracker system includes

- Single arm STR-21G or Double arm STR-22G Tracker with built in GPS
- Four Quadrant Sun Sensor which automatically compensates for mechanical misalignment
- Pyrheliometer Mount (suitable for any pyrheliometer model)
- Levelling Tripod with spirit level
- Diagnostics and control software

■ Sun Tracker Specifications

- Pointing accuracy 0.01°
- Pay load 7 kg (STR-21) / 15 kg (STR-22)
- Operating temperature range -40°C to + 50°C
- Weight 11,5 kg (STR-21) / 13,5 kg (STR-22)
- AC100 - 240V, 50/60Hz
- RS-232C or USB converter interface

■ Sun Tracker Options

- Various top mounting plates for all common pyranometers or pyrgeometers models
- Additional pyrheliometer mounts
- Shading ball assembly (1 or 2 radiometer positions)
- DC operating version (18 - 30 VDC / 15W power consumption)