

Sun Tracking System EKO

S64911 / S64921 / S64931

- Sun tracking system with different measurement options: DNI, DNI + DHI or DNI + DHI + GHI
- EKO Sun Tracker STR-21G with accurate radiation sensors
- ISO 9060 First Class Pyrheliometer MS-57
- ISO 9060 Secondary Standard Pyranometer MS-80A


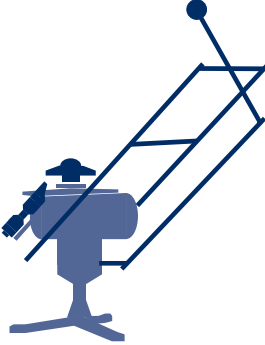
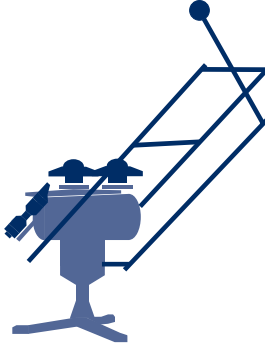


Description

EKO Instruments high precision sun trackers provide high tracking reliability, enhanced functionality with fully automated set up procedure through a built-in GPS receiver. The compact sun trackers are perfectly suited to support all kinds of measurement sensors to measure global, diffuse and direct radiation. The sun trackers come with a small tripod that offers a stable surface for the measurement equipment and adjustable pyrheliometer mount for the fine alignment.

From sun rise to sun set the compact EKO sun tracker guarantees accurate sun tracking and pointing of the attached solar sensors. Each system is equipped with an ISO 9060 First Class MS-57 pyrheliometer to measure direct normal irradiation. For measuring diffuse horizontal irradiation, the system is equipped with a shaded ISO 9060 Secondary Standard MS-80A pyranometer. The fully equipped system comes with a second MS-80A pyranometer for measuring global horizontal irradiation. According to your requirements the sun tracking system can be complemented with an Ammonit Meteo-40 data logger, as well as an external power supply and communication system.

System configuration

| System | DNI Measurement | DNI + DHI Measurement | DNI + DHI + GHI Measurement |
|-------------|--|---|--|
| Order No. | S64911 | S64921 | S64931 |
| Description | Sun tracking system for DNI | Sun tracking system for DNI and DHI | Sun tracking system for DNI and DHI and GHI |
| |  |  |  |
| Components | <ul style="list-style-type: none"> • Single arm tracker with GPS receiver and table tripod • First Class pyrheliometer MS-57 for DNI | <ul style="list-style-type: none"> • Single arm tracker with GPS receiver, table tripod and shading disc • First Class pyrheliometer MS-57 for DNI • Secondary Standard pyranometer MS-80A for DHI | <ul style="list-style-type: none"> • Single arm tracker with GPS receiver, table tripod and shading disc • First Class pyrheliometer MS-57 for DNI • Secondary Standard pyranometer MS-80A for DHI • Secondary Standard pyranometer MS-80A for GHI |

Last Modification: 07 May 2018